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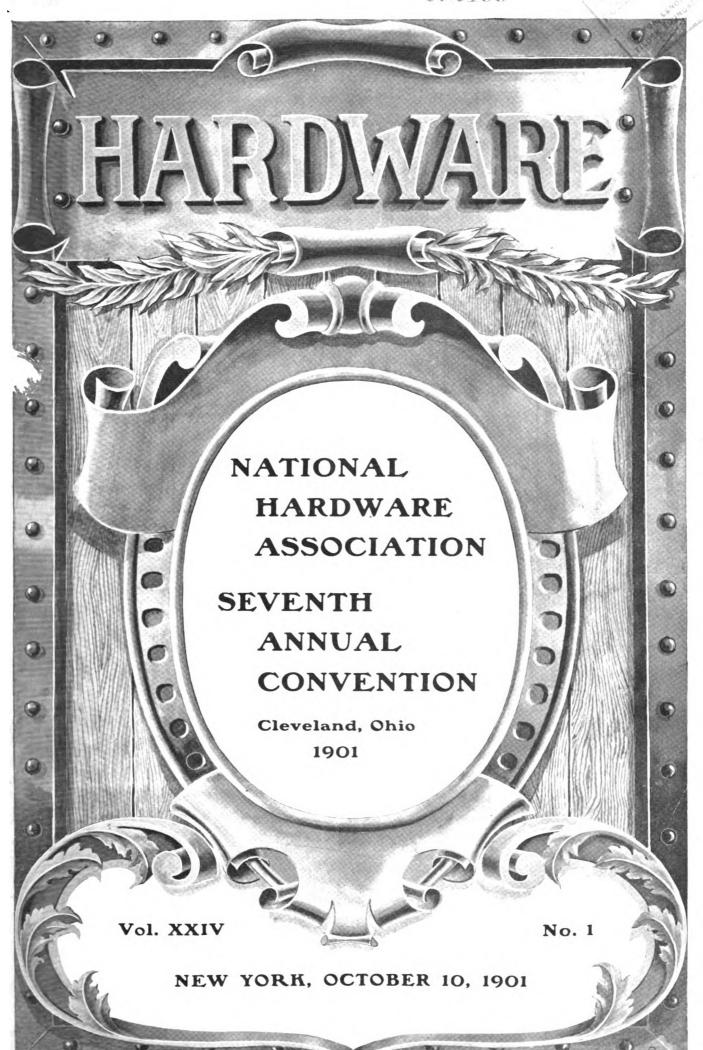
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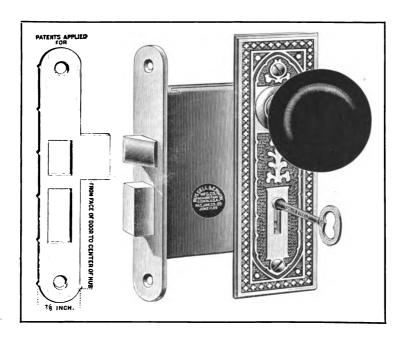


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A STRONG LINE



CENTURY SET No. 1900

WITH "RAPID-MORTISE" LOCK.

RUSSELL & ERWIN MANUFACTURING CO.,



New Britain, Conn.

New York.

Philadelphia,

Boston,

Chicago,

San Francisco

Baltimore,

Dayton

London

EXCLUSIVELY

A Review of the American Hardware Market.

Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 275 Broadway, New York.

Vol. XXIV, No. 1.

New York, October 10, 1901.

SI OO A YEAR



and WINDOW HARDWARE SPECIALTIES. saders with the Trade 30-page Catalogue on application. New Haven, Conn. THE H. B. IVES CO.,

BRAIDED CORD.

SAMSON & MASSACHUSETTS

Samson Cordage Works, BOSTON, MASS.

SHELF BRACKETS

The BRADLEY.

STRONG, LIGHT AND ALL RIGHT.

ATLAS MFG. CO. New Haven, Ct., U. S. A.

FITCH BASH LOCKS



New Haven, Conn.

COVERT MFG. CO.,

WEST TROY, N. Y.

SNAPS.

Made in all styles and sizes.

For sale by Jobbers at Manufacturers' prices.

FOR THE SCRANTON NAIL PULLERS.

THE SCRANTON & CO., NEW HAVEN, CONN.



FIRE ARMS

The Most Profitable Line for the Trade. Have you a Stock for the Fall Trade?

All the Leading Jobbers carry our Arms.

J. STEVENS ARMS & TOOL COMPANY, No. 175 BROADWAY. CHICOPEE FALLS, MASS.

"If you find a price below ours on the Star, you'll find the quality below also."

STAR BRAND SHEARS IN PRUNERS

Formerly made by THE WM. SCHOLLHORN CO.



THE INTERNATIONAL CUTLERY CO., FREMONT, OHIO, U. S. A. Not connected with any Trust. Sold through the Jobbing Trade.

MAGNOLIA METAL Best Anti-friction Metal for all Machinery Bearings

Fac-Simile of Bar. imitations.

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ROSSENDALE-KEDDAWAY BELTING & HOSE CO. EUCLID AVENUE NEWARK, N. J.



AT PRICES THAT ARE RIGHT. SEND YOUR ORDERS.

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STEEL WIRE NAILS.

Iron and Steel

CUT NAILS.

Plain and Galvanized Wire.

BARB WIRE.

Wire Straightened and Cut to Length.



THE ARGAND

ke it ourselves, and KNOW that every lamp CCT before it is sold. Every "ARGAND is to sell others because it does the work.

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Retail Price \$4.00 and upwards. Ask us for particulars.

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SELF-PULLING CORK SCREWS.

EVERY ONE TESTED AND GUARANTEED Manufactured only by

Erie Specialty Co., Erie, Pa

THE SCHWERDTLE STAMP CO., Stencils, Burning Brands, Steel Stamps and Dies, Seals, Machinery Plates, Checks. BRIDGEPORT, CONN.

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PATENT DOOR AND WEATHER STRIP. Just what you are looking for,

HELMS & HELMS,
-50 Willow St., Philadelphia. 148-50 Willow St.,

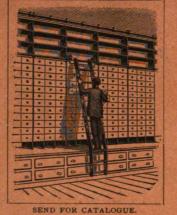
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Quickly Applied,

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The DANDY SINK CLEANER



Household Specialty.

A Sink Cleanes and Shovel Combined.
Tidy housekeepers will throw away the dirty sink broom and buy the Dandy Sink Cleaner on Sight.

TRY IT AND BE CONVINCED.

For sale by all Wholesale Hardware Dealers, and by the patentee and manufacturer,

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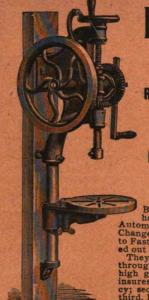
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"Russell Jennings" stamped in full on the Round of each Bit.

ALL HARDWARE JOBBERS The Russell Jennings Mfg. Co., Deep River, Ct., U. S. A. ADVANCE



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REPAIR SHOPS.

throughout same as a high grade tool which insures: First, Accura-cy; second, Durability; third, Light Draft.

14 SIZES and STYLES.

\$6.00 to \$85.00

Special discounts to re-LIGHT POWER. EVERY DRILL GUARANTEED.

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Tackle Block. Runs as freely as an ordinary rope tackle block.
Holds more securely than a chain block.
Locks instantly and does not cut the rope.
Allows the load to be lowered safely and slowly, the operator using only one hand.
Cannot stick nor jam when the load is to be lowered.
Adonted by the Penna R. R. Co.

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Liberal Discounts to Hardware Dealers.

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USED AS A WIRE STRETCHER



ESTABLISHED 1872.

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Smith's Pat. Blade is made of german silver, when plated wears indefinitely and the thin strip of



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Sold by all the leading Southern dealers.

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Ausable. Clinton, American Hot Forged # Hammer Pointed HORSE NAILS.

The Ausable Horse Nail Co. is not connected with any Trust or Combination existing or projected.



Put up expressly for the Retail Trade

ONE POUND-4 SIZES. 1/4 lb. each size.

North Carolina, \$2.00 Wyoming, 1.70

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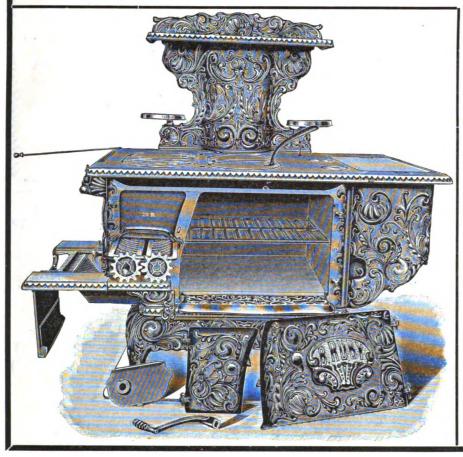
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B. Ruby Four Hole Range, for Hard or Soft Coal or Wood.

The most modern and up to date Four Hole Range in the market. It embodies all the principles of convenience, durability and efficiency known to the trade.

Special Features

Largest oven in the market.
Large bailed Ash Pan.
Large Oval Fire Box.
Cemented Top Oven Plate.
Full draw Hearth.
Duplex or flat Grate.
Grates can be removed without disturbing fire box linings.

Ask for Complete Catalogue.

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BUCKEYE" WASHING

Easy to Work. Can't Tear the Clothes.

Simple in construction, can't get out of order. Reasonable in price, with good profit to dealer.

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LARGEST ASSORTMENT. ALL GRADES OF GRIT. NEAT APPEARANCE. FINE GOODS. QUICK SELLERS.

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ALL ARE PROFITABLE GOODS.

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Dixon's Lubricating Graphite. Dixon's Pipe Joint Compound. Dixon's Belt Dressing.

These goods have made money for other dealers, why not for you? Let us send you our Catalogue.

JOSEPH DIXON CRUCIBLE CO... JERSEY CITY, N. J.







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AMERICAN TOOL CHEST CO. Factory and Salesroom

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Manufacturers of Tool Chests. all sizes, complete with tools for Boys, Youths, Gentlemen. Farmers, Railroads and Carpenters' use; also Work Benches, Mackinists' and Pipe Fitters' Empty Tool Chests. Send for latest Catalogue.

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A Gas Stove Retailing for 25c.

With liberal discount to the trade. Simple! Useful! Durable.
Always ready for heating water, milk, tea, curl-

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Can be transferred from one room to another.

Base and top grate cast-iron (coppered); body corrugated tin; wire gauze at top and an automatic mixer in base requiring no adjustment.

Place the stove over an ordinary gas burner and light on top of wire gauze.

Will not black or smoke.

Favorite Novelty Co., 139 Beaubien St., Detroit, Mich.



You take so mix on the Quality We make only the best ?



Sand **Papers**

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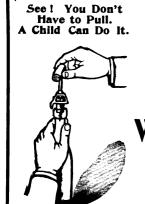
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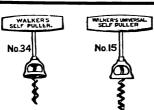
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WALKER'S SELF-PULLING CORK SCREWS

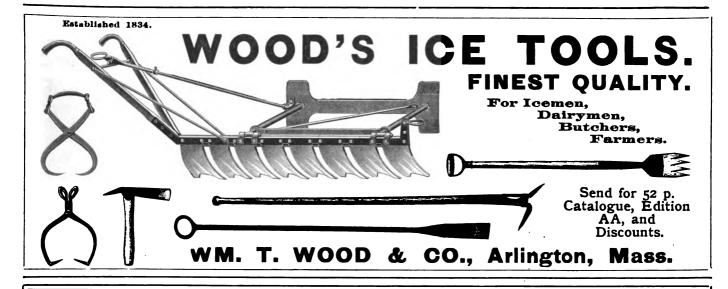
Made of Crucible Steel, Nickel Plated, Polished Apple Wood Handles.

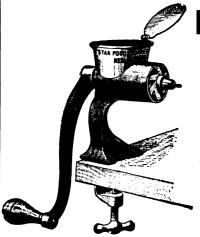
EVERY ONE TESTED AND GUARANTEED.

Several imitations on the market, but none as good.

Manufactured only by

ERIE SPECIALTY CO., ERIE, PA., U.S.A.





If it is a Food Chopper Without a Lid, Don't Buy It.

A distinguishing and exclusive feature of the STAR FOOD CHOPPER is a plate hinged at the top of the hopper which, when pressed on the food to be cut, forces it upon the feed screw, thus preventing the possibility of injuring or soiling the fingers, which is liable to occur in using the other choppers.

The STAR is unquestionably the best machine of its kind ever offered to the public. It will cut without crushing raw or cooked meat, sea food, fruit, vegetables, etc., into coarse or fine pieces, according to the cutter used, of which three accompany each chopper.

It has eliminated all the objectionable features of other choppers, and has added several improve-

It has eliminated all the objectionable features of other choppers, and has added several improvements that are distinctly its own. It is always in order, and the knives require no sharpening.

No other chopper has the many merits of the STAR. None is more simple in construction or easier to understand or clean. From start to finish in the small points as well as in the large, the STAR FOOD CHOPPER is the best.

CHAS. D. BROWN, Agent,

160-162 Duane Street,

New York City.

"NONE BETTER" STEEL DOOR HANGERS

Track # Stay Rollers.
... Hinges # Butts.

Our Goods are all right. - - - Our Prices are all right.

Mckinney MfG. GO., Allegheny, Pa.



Your Stock Is Not Complete

Without a line of



PIPE THREADING AND CUT-TING OFF MACHINES.

ADJUSTABLE STOCKS AND DIES,

Wrenches, Pipe Vises, Pipe Cutters, Clamp Dogs.

They are all "Standards" and Never dissappoint. Catalogue?

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CABINET LIQUID **GLUE**

No. 0. Threading Machine, Power

Attachment.

Manufactured by

New York Cabinet Glue Works

A strong durable Animal Liquid Glue

For Woodworkers, Manufacturers and Householders

Put up in self-sealing cans all sizes from 2 oz. to gals.

Catalogue on Application

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Selling Agents

97 Chambers Street 79 Reade Street

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offering our wellknown, self-acting combination Cork Screws, mounted into genuine Stag Horn Handles.

No. 2042 is very popular—it removes all style stoppers with the greatest ease.

NEED NOT PULL-KEEP TURNING.

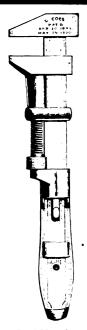
A Handsome Ornament for the Buffet.

ORDER NOW.

Send for Illustrated Folder.

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GENUINE IMPROVED KNIFE HANDLE

SCREW **W**RENCHES.

COES WRENCH CO.

ESTABLISHED 1839. REGISTERED APRIL 9, 1895. PATENTED APRIL 30, 1895, AND MAY 15. 1900.

Handle-frame and ferrule in one piece rigidly keyed to the bar, making practically one solid piece of metal; the ferrule and cup tip firmly securing and preventing the wood sides from splitting.

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See Our Traps

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We have BLIZZARD

Set with safety lever, wo sizes: rats and mice.

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sizes: rats and mice.

SNAPSHOT Choker mouse.

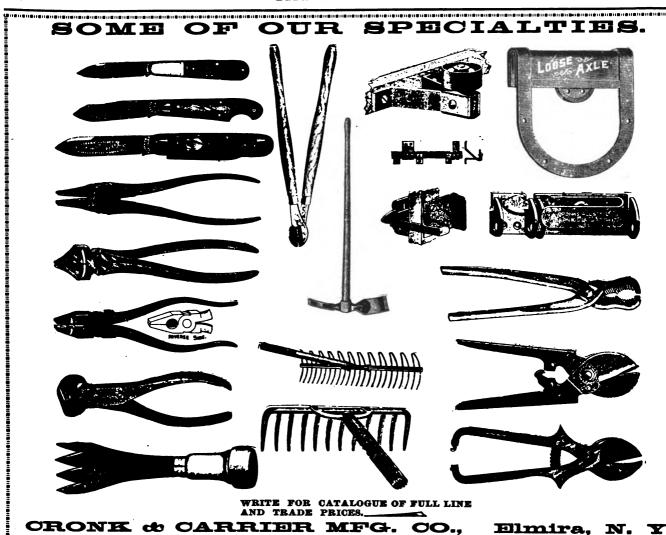
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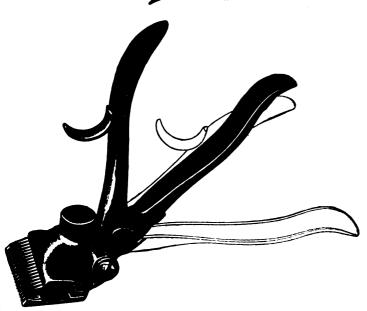












Have you seen Coates' 20th Century Fetlock Clipper? Good!!

Elmira,

And the Barber, too? GOOD!

Don't forget these when you order. COATES has the largest and best line to select from.



MR. HARDWAREMAN:

Don't wait until our factory runs night and day, to catch up, before you order, order NOW.

Coates Clipper Mfg. Co.,

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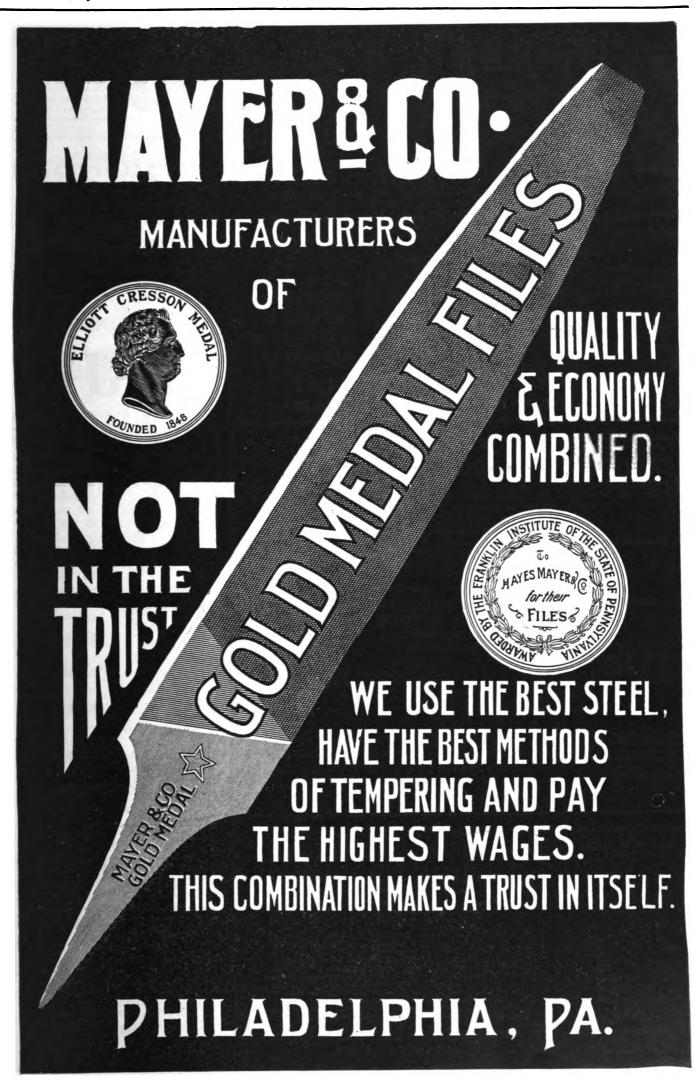
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SOME ANKEE" TOOLS



"Yankee" Ratchet Screw Driver, No. 12.

Made for special use of Gunsmiths, Fitters. Electricians and Mechanics requiring a strong, substantial screw driver with a short stub blade.

Made in one size only: Blade 5-16 diameter, 11/8 long, entire length of Screw Driver 51/4 ins.



"Yankee" Tool Book mailed free on application to

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"YANKEE" TOOLS ARE SOLD BY LEADING **JOBBERS**

OF TOOLS AND

ACENCY JOSEPH RODGERS & SONS, LTD. THE BEST 18 EVER AND ALWAYS CHEAPEST.

The merchant can recommend with confidence. The consumer will report superiority. Excellence will insure enlarged demand. Satisfaction will leave no ground for complaint.

Why, then, sell inferior Cutlery when

THE VERY BEST.

can be had at a small advar QUALITY?

FOR CENTURIES THE WORLD RENOWNED HOUSE OF JOSEPH RODGERS & SONS, LTD., SHEFFIELD, ENGLAND,

Has had neither equals nor superiors in the manufacture of

CARVING KNIVES and FORKS, TABLE CUTLERY, SCISSORS,

RAZORS, HUNTING and BOWIE KNIYFS POCKET CUTLERY, &c.



Is among the oldest, and now over 200 YEARS old. It is known the world over as a guarantee that all articles so stamped are absolutely superior to all others.

We are the sole agents in the United States for JOSEPH RODGERS & Sons and carry a full line of their manufactures in stock.

If you cannot procure goods of their make from your jobber we shall be pleased to supply full information on application.

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THE BEST ROTARY **WASHING MACHINE?** BECAUSE

1.—It is the only Rotary washer that has Revolving
Steel Ball Gearing, reducing the friction and
thus making machine so light running and
almost noiseless.

2.—The tub is made of Louisiana Red Cypress Lumber,
cherry finish; the legs are solid with tub (not
removable, breakable legs fastened with screws).

3.—The wheel turns right or left, pin wheel or dasher
reverses automatically, turning the clothes back
and forth through the hot soap-suds, and cleaning
them without rubbing them to pieces.

4.—This washer is made by experienced machanics, and
will out-last any other washer on the market.

5.—The tubhasa wringer box fastened with steel brackets.

6.—The lid on tub closes tight, no escape of steam.

Manufactured by H. F. BRAMMER MFG. CO. DAVENPORT, IOWA.



Blake Lamb Traps. Lightest and Strongest Made. For 40 years the favorite wherever used. Send for catalogue to the HAWKINS CO., Successors,

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Do you want a GOOD UP-TO-THE - MINUTE Line of Mantles? Something you can recommend to your Trade? We make 'em. If you are already handling a line give us a trial. If you are thinking of placing a line, let us make it up for you.

SPECIAL

BRANDS,

SALABLE

GOODS,

HONEST PRICES,

which afford

you an honest profit. Fawcett Mantles are

Unshrinkable, Durable

and have the

Highest Candle-Power Obtainable.

We want your Mantle Business and we are willing to make extra efforts to have you pleased.

Send for Prices and Samples. WE MAKE ANYTHING that's "MAKABLE" in the Mantle Line.

THE FAWCETT INCANDESCENT MANTLE CO.

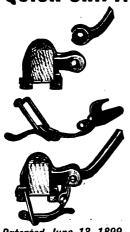
> 399-401 Prospect Street, CLEVELAND, OHIO.



FERNALD MFG. CO., North East, Pa.

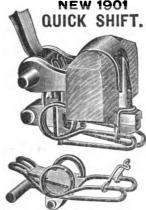
..IMPROVED.. **FERNALD** QUICK SHIFT.





Patented June 18, 1899. Canada, July 17, 1899.

Easily attached and when once on it stays on. **FERNALD** goods always give satisfaction.



ANOTHER EASY SELLER.

Guaranteed to fit any shackle and to be a ? perfect Anti-Rattler.

Finished in Baked Japan. One dozen pair in a box. One to five gross in a case.

Rattlers are poise-

not break.



Take your choice They're all leaders.



PAT. NOVEMBER 15, 1887. Trade Mark "Burton" Registered Oct. 5, 1897.

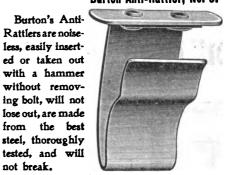
Guaranteed retain their strength.

Where the No. I is used bolt cannot lose out.



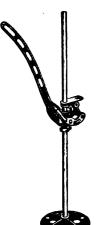
Burton's Anti-Rattler, No. 2.

Burton Anti-Rattler, No. 5.



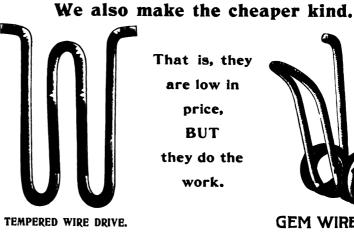
Trade Mark "Burton" Registered Oct. 5, 1897.

The trade-mark "Burton" means "Best for the money."



THE FERNALD Lifting Jack, made entirely of iron and steel, lifts 800 lbs.

No. 2 weighs 5 lbs. and lifts 1500 lbs. Adjustable.



That is, they are low in price, BUT they do the work.

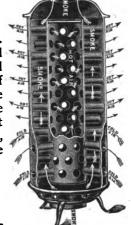


GEM WIRE No. 1.

IS IT SO?



It is said that a tea-kettle will boil quickest on top of a chimney. However that may be, all agree that there is too much heat wasted there. Nothing but the cross tube ROCHESTER RADIATOR has ever trapped it. If you were to heat a poker, would you hold it at the side of the flame or over the top? Or would you cook food on the side of a cook-stove in preference to the top? It is thus with the ROCHESTER RADIATOR which takes the heat from the top of the current and not from the side. The cross tubes cool the hot current, just as you would blow across a cup of tea to cool it, only there are from 96 to 120 such currents in operation.



ROCHESTER RADIATOR CO.,

150 Furnace Street.

Rochester, N. Y.



A Great Labor Saver.

Will pay for itself in a single day. Where Steel Giant Grubbers are kept and shown a large trade is soon established. They are a necessity to almost everybody owning land. Moderate price. Large margin of profit to the dealer.

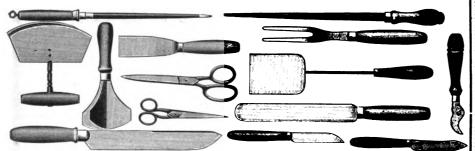
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New Gentury Manufusturing Co.,

79 East 130th Street, New York.

"101" Good Sellers for Dealers of Co-day

We have a hobby for new things. Orders Filled Promptly



Crescent Manufacturing Company.

Fremont, Obio.

THE FANNER MFG. CO., CLEVELAND, OHIO.

ARCTIC COAL SHOVELS.

Malleable or Gray Iron.

Nickel Plated.



Ask for our Catalogue of Hardware Specialties, Arctic Stove Trimmings, &c.

FOOT BALLS,

BASKET BALLS,

GYMNASIUM GOODS,

SWEATERS

AND

JERSEYS,

FIRE ARMS,

FISHING TACKLE.

UNION HARDWARE CO.'S SKATES.

SEND FOR PRICES.

Edw. K. Tryon, Jr. & Co., PHILADELPHIA

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Stove Hardware.

SEND FOR CATALOG.



These handles are always cold fine in finish, material of the best; they require no apology on the part of yourself or clerk to sell them. Sold by all first-class Jobbers in Hardware.

Made only by TROY NICKEL WORKS, Albany, N. Y.

All our line is marked ALASKA. None other Genuine.

Tin Plate. Sheet Iron. Galvanized Iron.

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in. Handle, per doz. \$15.00 in. Handle, per doz. 12.00

No. 60. Ice Pick.....per doz. **\$0.60**

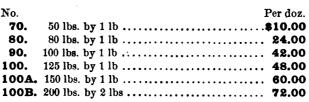




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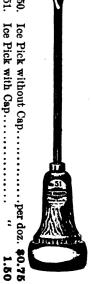
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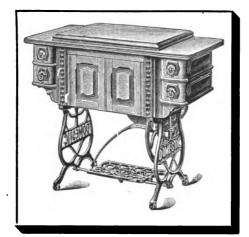
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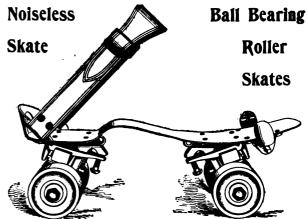
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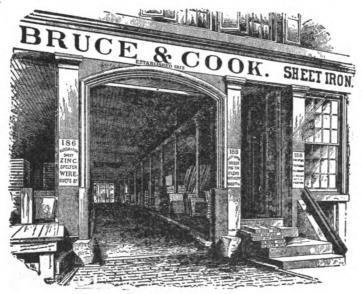
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With Brass Wire Cloth for Removing Lead. Ready for Cleaning or Oiling Cloth.

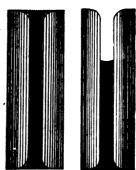
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The Rowley Pad.



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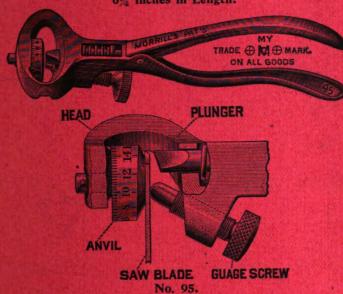
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634 Inches in Length.



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NOT

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NO

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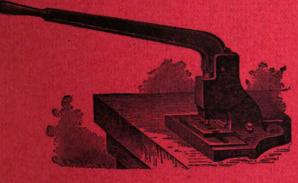
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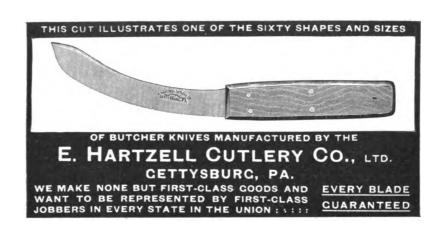
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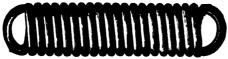
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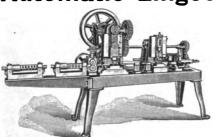
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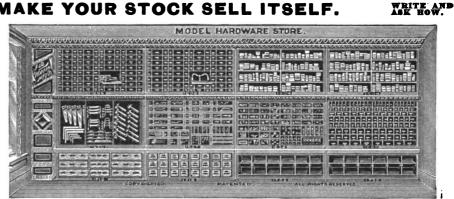
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THE "BARDSLEY" OIL DOOR CHECK AND SPRING.



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No packing friction.

A releasing device—especially useful on apartment house doors and doors that close against a draught.

Spring of polished clock steel of superior quality—ensuring soft and noiseless action and great durability.

The mechanism is arranged so that the spring cannot be used wrong side up and thus bent out of shape or broken.

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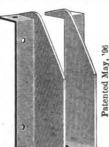


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Holds the Door Open or Shut

Whitcomb Steel

BARN' DOOR LATCH.

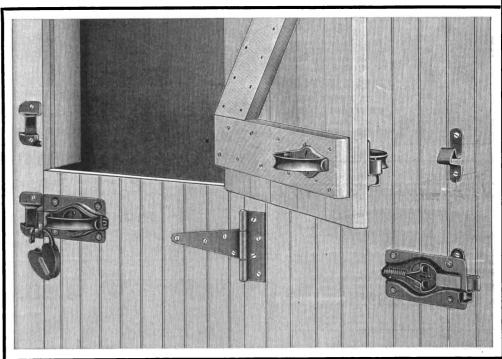
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WILL NOT CATCH A HARNESS.

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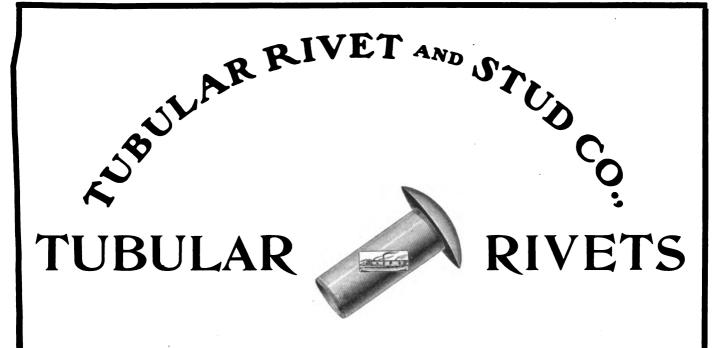


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The Blades are from one piece of lumber and the better grades are varnished.

We make Snow Shovels suited to all markets, and Jobbers in all "Snow Territory" are in position to quote prices on our patterns.

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Prevents Fouling, leading and deposit of metal in the grooves of the rifling.

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There being less Friction, the velocity is greatly increased and the trajectory is flatter than with any other bullet ever made.

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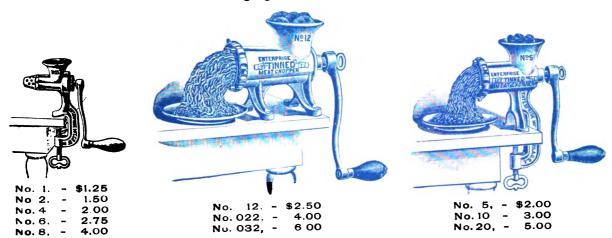
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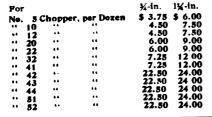
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Guaranteed to Chop Raw Meat

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Sausage Stuffers and Lard Presses

3 sizes, 2, 4 and 8 quarts

8 Styles Tinned and Japanned



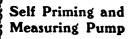
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Self-Gauging Cheese Knife



Without Cover, \$10.00

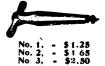
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Choppers



Meat and Food





Raisin Seeder





No. 34, Nickeled,

Barrel Jack, Truck and Stand



No. 100, - \$6.00

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The Enterprise

Patented Hardware Specialties are undoubtedly the best in their particular line, as a consequence inferior grades are offered to the retailer.

THERE ARE NO OTHERS

"JUST AS GOOD"

When ordering from your Jobber ask for

PENTERPRISE

and take no substitutes.

Illustrated Catalogue mailed Free

The Enterprise Mfg. Co. of Pa.

Chinese Polishing Iron



No. 82, \$6,75 per doz.

Meat Juice **Extractor**





Fruit. Wine and

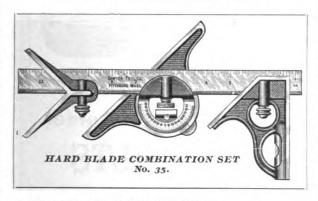
HARDWARE JOBBERS HANDLE OUR GOODS.

Our Combination Set No. 35 has a hard blade. The New Style Protractor is neat in design and finish.

Made in 9, 12 and 18 inch sizes.

Every one guaranteed accurate.

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Will our Catalogue interest you?

If so, send for Catalogue D 6.

SAWYER TOOL CO.,

FITCHBURG, MASS.

Paints and Varnishes







The Forest City Paint & Varnish Co.

CLEVELAND, O.

The Pittsburgh Shovel Company

Announce to the trade that they will be in the market on or about November 1st, with a full line of shovels, spades and scoops, in hollow back, back strap and plain back work.

We have the most complete shovel plant in the country, and manufacture highest grade shovels from Crucible, Open-hearth and Bessemer steel.

Catalogues and discounts will be furnished upon application.

Main Offices:

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Works: Leechburg, Pa.

Established 1802.

Cable Address: "Scovill."

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WATERBURY, CONN.

The Largest and Most Fully Equipped Brass Rolling Mills and Metal Goods Manufacturing Establishment in the World.

BRASS AND GERMAN SILVER,

In Sheets, Rods, Tubing and Wire.

BUTT HINGES.

Narrow, Middle, Broad, Desk, Ship, Stop Spring and Pianoforte.

COINS AND COIN PLANCHETS.

Full Equipment for supplying Planchets or minting the same in any required alloys.

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LAMP GOODS.

German Student Lamps, Kerosene Burners, Kerosene Lamps, Etc.

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Estimates for Specialties in Brass, German Silver and Aluminum furnished on application.

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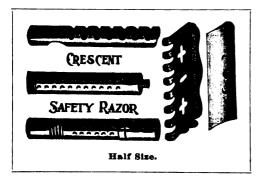
No. 423 Broome St.

No. 170 Summer St.

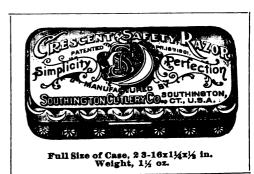
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OUR LATEST and GREATEST PRODUCTION THE CRESCENT SAFETY RAZOR.



SEND FOR CIRCULAR.



The trade is reminded that this is the season to order

CURRY COMBS AND STOVE BOLTS

in order that you may get your supply promptly.

SOUTHINGTON CUTLERY CO.,

SOUTHINGTON, CONN., U. S. A.

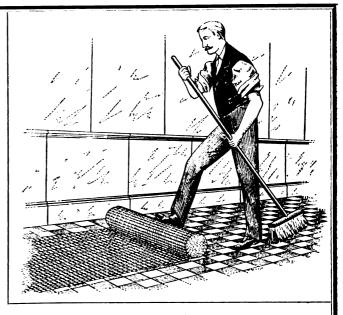
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The Mat That Wears

WON'T WARP, CURL, OR RUST

MADE OF crimped, flat, galvanized steel strips, three-eighths of an inch deep by one-sixteenth of an inch thick, *hinged* together with galvanized steel rods, admitting of its being rolled up like an ordinary piece of straw matting.

THE MOST durable, flexible and pliable mat made. It is reversible, cannot warp or curl at the sides or edges, and adapts itself to unequal surfaces. It always lies flat.



THAT'S THE

KEYSTONE STEEL MAT

THE KIND YOU CAN SELL THE KIND YOU OUGHT TO KEEP IN STOCK

Liberal Discounts to the Trade

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Samples Furnished on Application

KEYSTONE STEEL MATTING CO.

K. J. HENDRICKS,
Manager

524 FOURTH AVENUE, PITTSBURG, PA.

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Machinery and Transportation Building,
is the location of the Exhibit of
THE CARBORUNDUM COMPANY.

CARBORUNDUM Hardware Specialties, Hones, Knife Sharpeners, Ax and Scythe Stones, Rub Stones, etc., are just as pre-eminently superior as are Carborundum Grinding Wheels, which in the past five years have become the highest standard of Abrasive Efficiency.

THE CARBORUNDUM COMPANY, NIAGARA FALLS, N. Y.

TOWER & LYON,

95 CHAMBERS STREET, NEW YORK.

Manufacturers of

CARPENTERS' AND MACHINISTS' TOOLS

of Highest Quality and Finish.

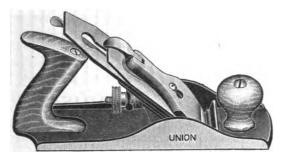


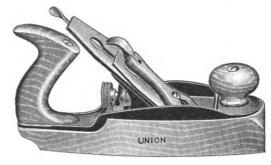
UNION MANUFACTURING CO.,

NEW BRITAIN, CONN.,

HARDWARE TRADE of UNITED STATES

IRON WOOD PLANES





No. 4.

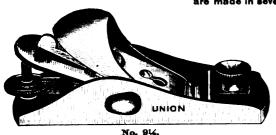
These Planes are first class in every particular, are finely constructed and better finished than any other Planes now on the market, and are fully guaranteed. The Heavy Cutter used on all Union Iron and Wood Planes of the larger sizes will be appreciated by all. It is made of one piece of steel and is not welded, and positively will not chatter on the hardest wood.







UNION GROOVED BOTTOM PLANES are made in seven sizes, all finely finished.





UNION BLOCK PLANES

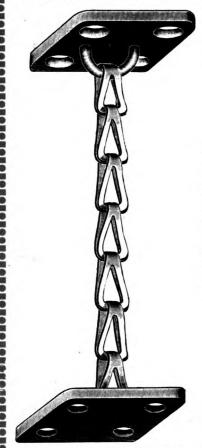
are all finely finished, and of a neat design.

ALL CUTTER BLADES STAMPED "UNION" ARE FULLY GUARANTEED. CATALOGUE SENT ON APPLICATION.

UNION MANUFACTURING CO..

Warehouse, 103 Chambers St., New York.

NEW BRITAIN, CONN.



EXTRA HEAV "GOPPERIZED"

SPRINGBOTTOM

MOWING MACHINE

OLER

SASH CHAINS. JACK CHAINS. PLUMBERS' CHAIN. CABLE CHAINS. BELT PUNCHES. GAS PLIERS. SASH FIXTURES. PADLOCKS.

> CYCLE SUNDRIES.

Write for Catalogue to

THE SMITH & EGGE MFG. CO.. BRIDGEPORT, CONN.

THIS CAN - - -

Clock Spring Steel Bottom

Of extreme durability and springiness. The CYLINDER is of DOUBLE THICKNESS around the lower edge, and is drawn seamless from extra heavy "Swedoh" Steel, Beautifully Finished It readily commends itself to all AGRICULTURAL and HARD-WARE DEALERS on account of its Elegance, Durability and

Cheapness. Special price on large orders from the Jobbing Trade.

ORDER NOW FOR

SPRING DELIVERY.

Che Wilmot & Robbs Mfg. Co., -BRIDGEPORT.

CONN. . .

The difference paints

is not always apparent until they are used. It takes time, and frequently a short time at that, to prove paint good or bad.

brands have stood the test of time and can be relied upon.

Harrison Bros. & Co., Inc., White Lead, Colors, Paints, Varnishes, Chemicals, Thirty-fifth Street and Grays Ferry Road, PHILADELPHIA,

27 Lake St. 117 Fulton St. 72 Broad St., BOSTON, NEW YORK, CHICAGO.

THE GARRY IRON & STEEL CO.

CLEVELAND, OHIO

and Prompt Shippers of

Steel Roofing and Siding

Eaves Troughs and Conductor Pipe

Iron Ore Paint and Mortar Colors *

ALSO OUR FAMOUS

ASPHABESTOS PREPARED ROOFING

HARDWARE

At a recent meeting of the board of governors of the Hardware Club of New York, the following gentlemen were unanimously elected to membership therein:

Clarence K. Arnold, Philadelphia, Pa. Samuel P. Colt, Providence, R. I. Albert S. Marten, Newark, N. J.

.

John J. Tower, of Tower & Lyon, 95 Chambers Street, New York, who, accompanied by his family, has been abroad since July 6th, returned on the Manitou on the 24th ult., having had a most agreeable vacation abroad, the greater part of which was pleasurably spent in England, Scotland, Switzerland and the Netherlands, including Germany and France for shorter periods. Mr. Tower devoted some of his time studying the business outlook in Europe for the future distribution of the many useful lines of specialties with the manufacture and sale of which his house has for so many years been prosperously identified. He found a more favorable condition than ever existing for the adoption and sale abroad of the many labor-saving devices controlled by his firm, and anticipates in the near future an increased demand for such high-grade goods.

The monthly meeting of the New England Hardware Dealers' Association was held at the United States Hotel, Boston, on Wednesday, October 9th, at 5 o'clock P. M., dinner being served at 5:15. At the business meeting taking place immediately after the dinner, the Association had the pleasure of entertaining His Honor, the Mayor, Thomas N. Hart, who made an interesting address upon topics concerning Boston and its commercial interests. There were present as guests several of the oldest Hardwaremen of this city, some of whom in their remarks spoke about the trade in their early experience. The enjoyable entertainment was arranged by the Executive Committee. A quartette of trombones from the Lynn Cadet Band furnished occasional music during the evening. The address of the secretary is James A. Farless, 46 Oliver Street, Boston.

Charles S. Lawrence, representing Tower & Lyon, 95 Chambers Street, New York, took his departure on the steamer *Philadelphia* on October 2d, to devote a number of weeks among the chief cities of Great Britain, establishing direct representation in the interest of the firm he represents. He was accompanied by N. D. Holbrook, of the Union Hardware Co., Torrington, Conn., whose entire production is marketed by Tower & Lyon in addition to the several important lines controlled by them. The interests being mutual, these representatives are sent abroad to foster and encourage closer relations with the manufactures of the companies referred to, opportunity for the accomplishment of which being among the noted commercial advantages observed by Mr. Tower when abroad recently on a pleasure trip.

The value to shipping interests of wireless telegraphy was proved last week by the Cunard steamer *Lucania*, which, in her passage from New York to Liverpool, passed the steamer *Campania* of the same line coming in the other direction. Communication was enabled to be maintained between the two vessels in mid ocean for over two hours by means of their wireless telegraph instruments. The shortest distance in which communication was effected was 33 miles and the longest 65 miles. A number of messages were exchanged.

Not content with their first purchase, in point of variety and quantity, the Z. C. Miles & Piper Co., of Seattle, Wash., have doubled their order for Patent Hardware Shelving, with a telegraphic order for twenty-five additional Cabinets and Bases, of the Warren make. This far Western Hardware house will soon boast of a store second to none in that territory.

The Marlin Fire Arms Co. have well under way a new four-story brick addition about 115 feet long and about 50 feet wide. It is expected that it will be completed and ready for occupancy early in 1902 and will give an addition to their plant of about 20,000 square feet of floor surface. This will enable them to add to their output next season and serve their customers more promptly than ever before.

At the National Hardware Jobbers' Association meeting in Cleveland this week, here and there around the office and meeting rooms, were groups of members earnestly discussing what appeared to them as an interesting subject: "How good goods could be sold so low, was a marvel—" "patterns, quality and finish all, were admitted as superlative—" "that the possession of this line by a Jobber, stamped him as a discriminating purchaser—" that "having this line aided their traveling salesmen in selling other lines and to the better class of retailers—" "besides, as the factory makes a full, complete assortment of Steel Goods and Snaths and Cradles as well, it is a decided convenience to the buyer to purchase 'Fort Madison Goods,' made by The Iowa Farming Tool Co."

"Boiled" Linseed Oil.

There are three methods employed in producing "boiled" oil. The first consists in boiling the oil at a temperature varying from 450 to 500 degrees Fahrenheit with red lead and litharge in the proper proportions.

The second method consists in simply mixing raw linseed oil at a moderate temperature with more or less proportion of a consensitated solution of lead and manganese-linoleate.

The third process consists in incorporating the oxidizing agent of the metallic oxides in the oil, under the action of steam host.

The first method produces the kettle-boiled oil.

The second method produces what is known as "bung-hole" oil.

The third method produces what is known in the trade as "steam-boiled" linseed oil.

When the oil is extracted from the seed, whether by pressure or the volatile solvent process, it is not only the pure linolein that is squeezed out or is separated from the seed, but also the substance that is called the mucilage and various other substances, and these all exist in freshly-made linseed oil.

In the kettle-boiled oil where the temperature, as mentioned in first paragraph, is from 450 to 500 degrees Fahrenheit, the mucilaginous and other undesirable matter rises to the top of the oil and is skimmed off.

In the "bung-hole" process all of the mucilaginous matter and the undesirable substances are retained in the oil to the detriment of its quality as a paint oil.

The third process mentioned, which produces steam-boiled oil, is a quicker and more economical way of turning out an oil purified by heat, but as the heat is seldom or never over 300 to 325, very much of the undesirable impurities are left in the oil, and the steam-boiled oil is therefore inferior to the kettle-boiled oil, and is sold at a less price than the genuine kettle-boiled oil.

HARDWARE

VOL. XXIV.

OCTOBER 10, 1901.

NO

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.

HARDWARE is published on the 10th and 25th of each month. The subscription is \$1.00 a year, payable in advance.

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Letters should be addressed

HARDWARE PUBLISHING CO.,

275 Broadway, New York.

L. E. MITCHELL, - - President.

A. P. MITCHELL, - - Secretary and Treasurer.

HENRY HOPKINS, -

Editor.

A. E. BOLLES.

Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted Exclusively to the Hardware Trade.

Editorial Trade Review.

The retail trade is reported by the travelers on the road as being in a good and satisfactory condition, with a demand from the consumer of the most encouraging kind. Supplementary orders are given with confidence. The Fall and Winter seasons being long and continuous, many are occupied with the usual preparations for a fine and profitable holiday trade, which the generally prosperous condition of the workmen in all lines of production, promises to prove of greater importance than at any previous time.

The jobbing trade are kept busy filling additional orders and are catching up on the numerous items on the back order book made necessary by previous insufficient supplies from manufacturing plants on account of the strike conditions prevailing.

Both jobbers and manufacturers have been giving considerable attention to the interesting Convention of the National Hardware Association which has flooded the beautiful city of Cleveland with active delegates representing both these important branches of our useful industry. The present indications point this out as one of the most enjoyable conventions this popular Association has been the means of bringing together. The bright and shining lights of each division of workers were on deck to lend a hand to bring their deliberations to a successful issue, and the report of the proceedings, which forms a large part of the contents of this issue of our paper, gives abundant evidence that no waning interest is noticeable in the necessity for this annual gathering of merchants and manufacturers in order to give every encouragement to mutual interest, sound principles, honest motives and integrity of purpose that should govern all commercial transactions.

A new feature was added to the interest given to the proceedings of the Convention by the call which was issued for the manufacturers present to consider the advisability of organizing a Hardware Manufacturers' Association. The advantages already gained by the jobbers and retailers in concerted action as affecting the interests of the manufacturers, make it desirable that a similar unanimity of purpose should be entertained and supported by the manufacturers. Possibly some of the demands of the several associations may occasionally be regarded as unreasonable, and if placed before a body whose interests are identical from a manufacturer's standpoint, they may be argued, entertained or rejected with a concert of action not otherwise obtainable. Anything in the nature of dictation could thus be resented, and a more judicious temper caused to prevail, in which justice to all interests might meet more favorable consideration. An Association of this kind was felt to be desirable from the growing number of large retailers who are ambitious of being considered as jobbers, consequent on the employment of a limited number of travelers to distribute their stock. With the knowledge gained by association, the motives of both divisions of the trade can be more thoroughly understood and appreciated, and the trade relations of each rendered more harmonious in the absence of any element savoring of dictation.

The Jumbo Jobbing House.

A movement to consolidate the jobbing interests of the country into one big concern or company with branches in the principal trade centres, has been agitated in several sections during the past month. A more impracticable or delusive scheme could scarcely have been promoted with so much seriousness.

If the object is to lessen the number of jobbing houses doing business, a number constantly increasing in an inverse ratio to a possible living profit, the very fact of a consolidation throwing out in the interest of economy a number of skilled salesmen whose services could be dispensed with, would of itself assist in the formation of smaller jobbing houses with light expenses, whose efforts to sell would naturally create conditions more antagonistic than prevail at present, and to whom the sympathy of the retailer would be largely extended. The competition which makes a movement of this kind assume any interest, does not lie so much in the competition between individual jobbers, perhaps, as the temptation among smaller manufacturers to market their products to the retail dealers direct from the factory, compelling the jobber to retain his already established trade by making cut prices to meet these quotations.

What's to become of the manufacturer when these Jumbo jobbers consolidate—those who make similar lines of goods such as steel goods, shovels, axes, horseshoes, etc.? As the consolidation of distributers, it is likely, cannot buy of all of these competing producers, won't they be apt to go foraging for trade on their own account, and leave the big consolidation to pare profits a little closer? From a jobber's standpoint, there are enough manufacturers now selling the retail trade direct. Will a Jumbo jobbing house as contemplated lessen it?

It would look to an outsider as though this plan was fostered and encouraged by some old timers in the trade, who fancy their present businesses can be disposed of for cash based on a valuation in which "good will" may be largely represented by a paper value. It has been a long time since any possible scale of actual profit has made "good will" a valuable asset. With the present antipathy to trust influences on the part of the people, a strong public sentiment would oppose this Jumbo consolidation at the outset, and which would grow antagonistic to its continuance as fast as other sources of supply were opened to the trade. There is as little likelihood of a consolidation like that proposed being consummated as there is of those embarking in the scheme finding a profit from the operations of so wild a project, if consolidation were possible.

Looking Back at the Steel Strike.

The steel strike which came to a close a fortnight ago was a labor trouble, says the Age of Steel, that at the outset threatened much damage to the industries involved. These industries were spinal in the welfare of the nation, and any disaster thereto would not fail to be less than a grave calamity. Some high keynotes were struck at the commencement of the trouble. Success for the strikers was a certainty. The Steel Trust was beaten at the first drum tap; but the screech subsided into a sneeze, with the snuff in the wrong nose. The strike collapsed and went to pieces. It started with a programme; it ended with a surrender. The causes leading thereto were manifold. Public opinion failed to wax warm in the matter; the support of the press was feeble and fractional; sympathy, as expressed in financial aid, was threadbare and poverty stricken; and the rally of other organizations was half-hearted and hesitant. Moreover, the Amalgamated was face to face with the most compact and powerful organization of its kind in the world. Nor were the employes a unit in the strike; some refused to go out owing to contracts to which they had pledged their honor while others had some troublesome doubts as to the wisdom and necessity of the trouble. There had been symptoms of vacillation in some stages of the strike among responsible leaders, and so it came to pass that the great steel strike, that threatened to surpass all others in the issues involved, practically did less. According to Pittsburgh estimates the cost of the trouble approximated a total of \$25,000,000, of which about \$10,000,000 is charged to the loss of wages—a heavy price to pay for a chalk egg.

The agreement arrived at between the American Tin Plate Company and the Amalgamated Association provides that the company reserves the right to hire or discharge any employe without reference to any connection with labor organizations; that non-union mills shall be represented as such, but that old charters can be retained by such men as desire to do so; also that no prejudice shall be held against any workmen by reason of their membership in the Amalgamated Association. Furthermore, this agreement is to remain in force for a period of three years dating from July 1, last. This clause, however, is subject to the vote of the tin-plate workers.

This strike has not been without its lessons. It points to the urgent need of wise and capable leadership on the part of labor unions-men of brains, conscience and force. It also shows that corporate capital has to deal with organized labor, and while not compelled to be a catspaw to the same, has to recognize its existence, influence and increasing importance. The peaceful character of the strike in which violence was at a discount, is an evidence of a departure from the age of bludgeons and broken heads. There has been no re-enactment of the Homestead tragedy or of the scenes in Cincinnati, Pittsburgh and Chicago. Official advice and instruction in this matter were plain spoken and emphatic. The leaders of the strike put their foot on the brickbat, and whatever mistakes they may have made, they made none in this. This can be repeated in all future cases of trouble, should such arise. This is on a line with the idea of peaceful arbitration of disputed questions. So far, so good. Again, the issue of the struggle is evidence of the fact that no body of men, corporate or unionized, can stay the tide of national prosperity. The sea rolls over the clams. There is no possible upsetting of the industrial fabric. It is granite-ribbed; the country is moving upwards and outwards, and it can never be by fiat or reprisal that the industries of the United States will be stampeded by any one or more organizations—no matter whether on the side of corporate or labor unions.

Ames Shovel & Tool Co.

At a meeting recently held by the directors of the Ames Shovel & Tool Co., the organization was completed by the election of the following officers: Hobart Ames, president; W. J. Alford, vice-president; W. H. Ames, secretary; Oliver W. Mink, treasurer.

The Executive Committee is constituted as follows: W. J. Alford, Hobart Ames, Oliver Ames, W. H. Ames, Oliver W. Mink and C. H. Myers. The directors are as follows: W. J. Alford, Wright Shovel Co.; Hobart Ames, Oliver Ames, W. H. Ames, Oliver W. Mink, Oliver Ames & Sons Corporation; J. C. Birge, St. Louis Shovel Co.; C. H. Myers, H. M. Myers Co.; Howard Rowland, T. Rowland's Sons.

Although the Ames Shovel & Tool Co. will be a proprietary company, owning the different plants, it is understood that the constituent companies will continue to carry on business in their own name, operating plants, selling goods, etc., so that their relation with the Shovel Association will remain unchanged.

Things Better Left Unsaid.

According to an exchange, this is a prolific subject upon which one might dilate indefinitely. Certainly there is nothing more detrimental to pleasant and satisfactory business relations than the unfortunate habit of making malapropos remarks and writing uncalled-for letters.

Every one is more or less liable to acquire this habit. It is, however, a propensity which may be overcome if properly treated. In business this habit is particularly dangerous and always apt to get the perpetrator of it into trouble.

The whole science of living and doing business is involved in knowing what to say and what to leave unsaid.

Telephone Courtesy.

It is hard to see why one should not receive the same courtesy, and attention whether he presents himself indirectly by the religious or actually in the body at his correspondent's place of business. Too little attention has been given to the employment of clerks to answer the telephone, and many employers have apparently forgotten that the telephone is an open door and there it should be guarded by a person of intelligence, discretion and good manners.—Electrical Review.

Certified Checks.

When the holder of a check takes it to the bank upon which it is drawn and has it certified, the certification imports that the drawer has sufficient funds on deposit with the bank to pay the check, that these funds are to be immediately set apart for its satisfaction, and that the amount for which the check was drawn will be paid upon its presentation. The moment the check is certified the drawer is released and the bank becomes the only debtor. Under the decisions in New York State certification does not warrant the genuineness of any part of the check except the signature. If the signature is a forgery, the bank that certified the check must pay it, notwithstanding that fact; but if the amount has been raised before certification, the certifying bank cannot be compelled to pay the increased amount, but only that for which the check was originally drawn.

Jones—Has your wife got her new Fall hat yet?

Brown—No; I've given her the money for it several times; but she has spent it on some great, glorious bargain she saw before she got to the milliner shop.—Ex.

LEGAL CORRESPONDENCE.

Conducted by William Marston Seabury, Attorney and Counsellor at Law, No. 43 Cedar Street, New York.

Any subscriber to "HARDWARE" is privileged to ask any legal question he pleases in this Department and it will be answered free of charge. Address all communications to Editor "HARDWARE," No. 277 Broadway, New York City.

False Imprisonment.

QUESTION: Some time ago I borrowed \$50 from a person who was then a friend of mine. The debt ran on for a considerable space of time and my friend and I had a quarrel, whereupon he at once demanded that I pay him the \$50. I was at that time in a room in his house, and I told him that I would pay the \$50 as soon as it was possible for me to do so. He insisted that it should be paid then and there. This I refused to do, and he arose from his seat, locked the door, put the key in his pocket, and declared that I should not leave the house until I had paid the debt. He kept me in this room, he being on the outside, for about six or eight hours, and then the door was unlocked by some one else. Kindly inform me whether I have any redress for such action as this.

REPLY: The action on the part of your former friend, as described by you, constitutes a false imprisonment. In order that a person may be falsely imprisoned, it is not necessary that he should be taken to a jail or that he should be confined on legal process. It is sufficient that he be unlawfully restrained of his liberty. You would, therefore, have a cause of action against your former friend in which action you would recover whatever damages, within the bounds of reason, which the jury chose to allow you.

Powers of Committee of an Incompetent.

QUESTION: About five years ago my brother met with an accident, as a result of which he became partially insane and incapable of attending to his own affairs. He had considerable property at this time and another brother of his had himself appointed as a committee to look after the affairs of the incompetent. About two months ago the brother for whom the committee had been appointed died. I should like to be informed as to what the distribution of his estate will be, and as to whether or not the brother who was appointed as his committee will on that account receive all of his property?

REPLY: Upon the death of an incompetent person for whom a committee has been appointed, the powers of the committee over the estate of the incompetent cease. The Code of Civil Procedure also provides that upon the death of an incompetent, his estate must be administered as though no committee had ever been appointed: The biother who was appointed as the committee would not, therefore, necessarily be entitled to administer the estate, and would only receive his distributive share in your incompetent brother's property. Brothers of a deceased person have an equal light to letters of administration, and the one first obtaining them would be the proper administrator of the estate.

Married Woman's Right to Dispose of Equity in Property.

QUESTION: Kindly answer the following question through your legal column. Can a married woman in New York State dispose of whatever interest she may have in property situated in New York State, upon which there is a mortgage, without the consent of her husband?

REPLY: In New York State a married woman owning real property upon which there is a mortgage may, without the consent of her husband, convey her interest which is called her equity of redemption in the premises. In New Jersey, however, and in some other States which are called common law States, it is necessary when a married woman wishes to convey her real property to have her husband join in the deed. The reason of this is that in most States of the Union, under certain circumstances, a husband is entitled to what is known as an estate by courtesy, which corresponds to the dower estate which a wife has in her husband's property. In States such as New Jersey, a married woman cannot defeat her husband's courtesy without his consent, and for this reason her husband must join in her deed to convey a clear title. This is not necessary in New York State, for the reason that a married woman may defeat her husband's courtesy either by deed or will, without his consent.

Perfecting Title to Real Estate in New York and New Jersey.

QUESTION: About a year ago my father died leaving some property in New York State and also in New Jersey. At the time of his death my father lived in New York County; he owned some property in Westchester County and Kings County and also had some pieces in New Jersey. By his will he left me all this property. He had certain personal property in New York County, and I was told for this reason it would be necessary to probate his will in New York County, which was done. Kindly inform me whether it is necessary for me to do anything as to the property in Westchester and Kings County and in New Jersey, in order that I may be able to sell the property?

REPLY: When a man dies owning property in various counties of this State and his will is admitted to probate by the surrogate of the county in which he lived and died, it is necessary, under Section 2,633 of the Code of Civil Procedure, to file an exemplified copy of the will in the county where the real estate is situated. This should be done by the executor of the estate within twenty days after letters testamentary have been issued. A somewhat similar provision is required by the New Jersey statutes, and it is necessary to file exemplified copies not only of the will, but of the proofs taken upon the probate in the county where the property in New Jersey is situated. In this way the title to these various pieces of property is perfected and a clear title to the same may be given.

Confidence Between Creditor and Debtor.

Many merchants seem to think that a request for a statement of their financial condition when they have placed an order and are expecting it filled on credit, though they may not say so at the time, is a deadly insult and a slur on their responsibility and business integrity. Perhaps it is from their standpoint, knowing of their own good condition; but how is the creditor to know that until he has been informed, and generally the only reason why he is not is because the debtor has already refused to tell the agencies or any one else anything about himself, thereby leaving open only one course to the creditor, that of asking for the information necessary to the extension of credit. It is not nearly such a blot on a man's reputation to receive a request for such details as it is to get turned down, and frequently he would be if he did not put a little confidence in the creditor for the sake of the large amount of confidence he expects the creditor to place in him in return therefor.

If the debtor cannot trust the creditor with a little information, how can he expect the creditor to trust him with his dollars, his capital and his whole success which depends upon the safe investment of his money in the form of merchandise. As a rule, the people refusing statements are the ones not deserving of credit, but they never will be if they don't try to establish it by honest dealings, if not by financial responsibility, which in time will increase with honest efforts and endeavor.

Many there are, however, who decline to show up their assets because they know they are all right and expect every one else to, and feel offended because they don't; but how can they if they are unable to secure any information, either indirect or otherwise?

The foundation stone of credit is confidence, for without it credit is impossible. The necessity of credit and its relation to success is shown by the fact that 90 per cent. of the business of the world is done on credit, the exercise of which secures the benefits of increased capital and volume of trade. Confidence can be best established by a full, frank and honest showing of the financial condition of the prospective creditor, for accurate and impartial representations cannot be expected through indirect sources. A request for such a showing is not a reflection or attack upon integrity, reputation or ability, but a tribute to it, since sufficient confidence is reposed in the receiver of credit to rely upon his statement, which is the only road to the true and unbiased information necessary to conduct business intelligently and equitably.

J. A. Shaw.

HARDWARE PATENTS.

The following list of Patents, Trade Marks and Designs of interests to the Hardware trade are furnished by Davis & Davis, Solicitors of American and Foreign Patents, Washington, D. C., and St. Paul Building, New York City.

PATENTS ISSUED SEPTEMBER, 1901.

683,033. Spirit Level, E. D. Frederick, Avalon, Pa.

683,097. WEATHER STRIP AND SASH FASTENER, Frank Allen, Memphis, Tenn.

683,105. SHEARS OR SCISSORS, Patrice Desnoyers, Magog, Canada.

683,221. Shutter Worker, H. Osborne, assignor to Novelty Blind Operator Co., Springfield, Mass.

683,231. Scissors, Cuno Stamm, Ohligs, Germany.

683,290. LIFTING JACK, J. A. Johnson, Hoquiam, Wash.

683,317. Hose Nozzle, J. McBoyle, Oakland, Cal. PATENTS EXPIRED SEPTEMBER 23, 1901.

305,421. LIFTING JACK, H. H. Brown, Ladoga, Wis.

805,426. Door Knob Attachment, J. K. Clark, Buffalo, N. Y.

305,602. BENCH PLANE, J. A. Keiser, Cincinnati, Ohio. PATENTS EXPIRED SEPT. 30, 1901.

305,743. Door Hanger, W. B. Cogger, H. A. Hamlin, Minneapolis, Minn.

305,749. REFLECTOR, C. J. Higgins, Farmingdale, Me.

305,783. Sash-Holder, T. A. Bereman, Mount Pleasant, Iowa.

305,805. Coffee-Boiler, J. Dyer, St. Louis, Mo.

305,837. ROLLER SKATE, J. Morss, Medford, Mass., assignor to A. B. Morss, same place.

305,878. WHEELBARROW, J. Annin, Brooklyn, N. Y.

305,379. WHEELBARROW, J. Annin, Brooklyn, N. Y.

305,961. WRENCH, H. Reber, St. Louis, Mo., assignor of one-half to Wm. Edenborn, same place.

PATENTS ISSUED OCT. 1, 1901.

683,438. Window Sash Tightener, O. Chils, Brooklyn, N. Y.

683,457. CLOTH HOLDING ATTACHMENT FOR SHEARS, D. S. Flowers, Garner, Iowa.

683,645. ROTARY LAWN SPRINKLER, H. Gibbs, Chicago, Ill., assignor to W. D. Allen Mfg. Co., same place.

683,646. LAWN SPRINKLER, H. Gibbs, Chicago, Ill., assignor to W. D. Allen Mfg. Co., same place.

683,643. SINK BRUSH, C. A. Fogarty, New York, N. Y. 683,716. Parallel Working Pliers, H. C. Weibzahl, New

York, N. Y.

Bestosking Packing and Supply Co.

We take pleasure in referring our many readers and advertisers to the advertisement of the Bestosking Packing and Supply Co., which appears on page 29 of this issue. company is located at 170 Summer Street, Boston, and is the sole United States branch for Turner Bros., Ltd., of Rochdale, England, which concern is recognized as one of the most representative makers of asbestos goods, packings, jointings, non-conducting materials, etc., in the world. The original and famous Fire Fly packing, which is one of their great specialties, has won for itself a very enviable reputation abroad after many severe and very gratifying tests, and American users of this make of goods have already furnished a number of very flattering testimonials. Their line is very complete, and includes a large variety, both square, round and in sheets. We take much pleasure in recommending to steam users this concern. Among the specialties handled by them may be found a full line of rubber belting, camel's hair belting of a very superior grade, and the well-known "Gripwell" brand of belt dressing. Hardware dealers desiring to handle a fine grade of goods of this character would serve their own interests well by communicating with the Bestosking Packing and Supply Co., at the above address.

Hydro Carbon (Gasolene) Lamps.

While it is essential that a hydro carbon (gasolene) lamp should be manufactured of the best material and of the highest grade of workmanship, these features would be utterly useless if the mechanical principles of the burner were defective.

A good hydro carbon burner should be so made as to perfectly vaporize all the gasolene that flows into it, irrespective of draughts or extremely low temperature, and properly control and mix this vapor so as to produce a steady, brilliant light.

Simplicity of construction is also important, for not only does this reduce the possibility of the lamp getting out of order, but also permits the burner to be readily cleaned, if impurities in the gasolene should accumulate in the vapor channels.

A gasolene vapor lamp made by skilled labor, of proper material and with a burner properly constructed, will give—provided a genuine Welsbach gasolene mantle is used—a light equal to that of 100 cándles, at a cost of less than 1-5 of a cent per hour.

It is safe to assume that 90 per cent. of the dissatisfaction arising from the use of gasolene lamps is due to their cheap and faulty construction.

If the purchasers of these lamps had confined themselves to lamps manufactured by responsible and reliable concerns, they would have unquestionably found this method of artificial lighting all that is claimed for it in economy, convenience and efficiency.

On another page of this issue appears the unique and attractive advertisement of the Welsbach Co., who are placing on the market a full line of these lamps, which they not only guarantee as to material, workmanship and perfection of mechanical construction, but are selling at prices less than those asked by many manufacturers for lamps of inferior quality.

Those interested in solving the problem of cheap illumination or the handling of a gasolene lamp that they can unreservedly recommend to their trade, should certainly write to the Welsbach Co. for their catalogue and price list containing illustrations and full description of these goods.

Providence Postage Stamps.

"Here is something that many of our citizens know very little about," said Mr. Calder, of Providence, Secretary of the Rhode Island Philatelic Society, to a Journal reporter, as he took from its hiding place a well-worn envelope containing a thin sheet of paper about three inches square. It was a sheet of the old Providence city postage stamps, which were used by permission of the National Government of 1846, before the days when that business became the sole privilege of the Federal Government. It is somewhat of a curiosity. The sheet contains eleven 5-cent stamps for city postage and one 10-cent stamp for outside the city. The stamps have rather a crude and time-worn appearance, being printed in a black ink of a tint suggestive of a faded, poor quality writing fluid. "How much is the sheet worth?" asked the reporter. "I want \$50 for it," replied Mr. Calder. "There are very few of those unused sheets out, and they are extremely valuable. I only know of four other sheets in this city."—Albany Journal.

Comparisons.

Mrs. Selldom-Holme—My husband is one of the most disputatious mortals alive. I can hardly ever make a statement without his "begging leave to differ."

Mrs. Jenner Lee Ondego—Your husband is an angel. Mine always differs without begging leave.—Ex.

.

Don't borrow money, an' you won't hev to cross the street so often.

The Manufacture of Fire Brick.

Various processes and labor-saving Machines employed in a modern well-equipped plant.

The manufacture of fire brick has long received a great deal of attention in western Pennsylvania and throughout the steel-making districts of the United States owing to the steady demand for such brick for the many coke ovens in these regions. A description of one of the plants engaged in making this type of fire brick that appeared recently in a technical contemporary is of general interest owing to the numerous ingenious methods and machines employed. The clay is blasted with dynamite and powder, preferably the former, as it loosens the blocks designed to come down without blowing the clay in all directions. The clay is loaded into small cars, which travel over a trestle across a creek to the plant. The ears have drop bottoms, and run directly over a chute, leading down into the grinding pans, two in number. The main chute branches, so that the clay can be let into one, the other, or both at the same time. The dry pans are nine feet each in diameter. From the pans the ground clay goes up an elevator 30 feet long. This is made of a traveling belt, on which are steel buckets, $5\frac{1}{2}$ x 10 inches in size. The elevator carrier drops the ground clay on the screens, which are of the regular galvanized gravity pattern, the mesh being regulated according to the make of clay to be turned out on the run. From the screen the clay travels automatically through a chute to the brick-making machines. When stiff mud bricks are being made the clay goes into a special machine having a capacity of 50,000 bricks a day. Connected with this machine is an automatic cutter which cuts the bricks on a carrying belt as they emerge. The belt then separates the bricks and carries them further where they are taken by handy workmen and loaded on trucks which travel to the transfer, and from the transfer the cars of bricks are run into the tunnels of the dryer at will.

The bricks remain in the tunnel on the cars about 12 hours. As green bricks are added in front of the tunnel, the dry bricks are pushed out towards the rear of each tunnel, and each day are taken out of the rear, where there is another transfer track running parallel with the rear end of the dryer, and also parallel with the face of each of the kilns. The tunnels have a drying capacity of 50,000 bricks per day. Over the top of the drying tunnels there is a large floor space on which special shapes, that is, large shapes, including tunnel for coke ovens, fronts, jams, etc., are dried. It requires from one to two weeks for drying these special shapes. Sometimes this operation is one of the most delicate in the manufacture of fire bricks.

To resume the operation of the manufacture of bricks, when they are placed in one or the other of the kilns, of which there are six, each with a capacity of 80,000 bricks, they are burned for five days and five nights. The secrets of burning are said to have been solved after years of trial and study and the expenditure of much money.

The bricks, after being burned, are taken out of a door in the rear of the kilns and loaded directly into the railroad cars on a siding which is parallel with the rear alignment of the kilns and three feet from it. It is thus seen that the operation of the manufacture from the clay bank till the loading for shipment is continuous, and no brick is carried a foot farther, either by hand or machinery, than is absolutely necessary to give the plant its capacity and the machinery its room for operation.

When soft mud bricks are made the screened clay or silica rock is run into a different machine, which also has a capacity of 50,000 bricks per day. When the bricks emerge from this they are in groups of five and are dumped from the molds on pallets, which are loaded on the trucks and carried into the tunnels, where the operations are similar to those previously described.—American Exporter.

Increased Interest in Roller Polo.

With the approach of cooler weather, indications plainly point to a greatly increased interest in roller skating, closely connected with which, is the popular and intensely exciting indoor, Winter athletic amusement, or roller polo, which is worthy of the place it has secured in the estimation of supporters of national athletic sports, such as baseball, football, hockey and cricket, and now that the fine points and high order of the game are fully understood, it is esteemed by many as superior to outdoor athletic contests, inasmuch that it requires not only strength and agility, but great skill, and the game being continuous and rapid, it can be readily understood how absorbing is the interest shown by spectators, and why it attracts such great crowds, and has fixed itself as a permanent sport in this country. The attendance at the contests for national polo championship last Fall, during the athletic meet at Chicago (in which the famous Henley polo team, of Richmond, Ind.), was victorious, fully demonstrated its popularity, as over 50,000 people witnessed the four games. Most of the new skating rinks will have polo teams this Winter, and M. C. Henley, one of the leading roller skate manufacturers of the world, widely known for the past 20 years as manufacturer of the Henley Club and Rink Roller Skates, and later on, of the Improved Ball Bearing Roller Skates, reports great activity, even this early in the season, in the roller skate trade, and has supplied recently, complete outfit of polo and skate goods for several new rinks, and has many more in prospect. He states that rink managers generally made big money last year, and that many new rinks will be started this season. Mr. Henley is not only a successful manufacturer of roller skates, but has been identified with roller polo interests since its inception, and has had a winning team for 19 years past. Last Winter they won all the trophies offered for championship contests, and this year are in the field stronger than ever, and ready to contest for the prizes that will be offered by the different polo leagues lately formed. Mr. Henley's large factory at Richmond, Ind., is headquarters not only for the various styles of roller skates, but for all latest regulation polo goods.

The Beneficial Effects of Combination.

In these days of combinations of great commercial interests and talents, attention should not be lacking to the youngest and probably the most promising offspring in the family of Capital. We refer to the American Can Co., of New Jersey, comprising within its folds all that is best among its 118 constituent companies. Formed during the late Spring of the current year, it stands to-day, in the first half-year of its existence, completely organized in its several departments, equal to its great task of meeting the demands of its myriads of clients in the multitude of their various requirements, a vigorous aspirant for the world's trade in its especial field of industrial development. With perfectly equipped factories in the most important commercial centres of the country, immediate attention and promptest deliveries are vouchsafed, doing away with the provoking delays of older days when each factory was a separate organization, and at times so rushed and crowded as to unavoidably inconvenience the customer. Under the present system of community of interest, orders are placed nearest to buyer's point or at some point where prompt service can be most easily obtained. One of the greatest, if not entirely the greatest benefit accruing to the buyer from the combination of these great can-making interests, is the absolute protection given him in the price he pays. He now knows that he is buying his cans as cheaply as his competitor, and that he need not feel uneasy that his competitors are enjoying an advantage that is not for him, the interests of all being alike protected. The American Can Co. is, therefore, formed in the interest of the buyer, as well as in the interest of the seller, and where advantages are reciprocal, the beneficial effects of combination are sure to grow and advance in importance as the markets of the world broaden and its field of activity becomes unconfined.

CONSULAR COMMERCIAL COMMENTS.

GERMAN DUTY ON EMERY WHEELS.

Consul-General Mason writes from Berlin, August 16, 1901:

It will interest certain exporters of machine-shop appliances from the United States to know that a recent decision of the imperial German customs office re-classifies emery wheels, and doubles the duty hitherto levied on that class of imports. German-made emery wheels are usually manufactured of pure corundum, the hole which is pierced through the center of the disk fitting round the shaft or spindle without any metallic support. As a consequence, it happens that that such a wheel sometimes works loose on the shaft as a result of disintegration from vibration. To prevent this, American manufacturers of emery wheels are accustomed to line, or "bush," the central orifice with Babbitt metal, iron, or some other metal that will give a firm seat to the shaft. Hitherto these "bushings" have been generally covered with a label bearing the name of the maker, size, number, etc., and the metallic portion thereby concealed. Recently, however, this has been discovered, with the result that emery wheels so provided with bushings are classified for duty as metal in combination with corundum (Schmirgel), which increases the rate from 3 marks to 6 marks (\$1.42) per 100 kilograms. This rate will not seriously affect the trade in the smaller sizes of wheels, but as they are made and used in all diameters up to 3 feet, the increased duty will have a tangible effect on the net cost of the larger sizes.

MATCHES IN THE NETHERLANDS.

Consul Hill, of Amsterdam, August 1, 1901, says:

There is a good chance for the introduction of American matches into the Netherlands. At present, the cheaper grades are imported from Belgium. A better quality, however, is furnished by Sweden. The wholesale prices are as follows: White wood with brown heads, 36 florins (\$14.47) per case; white wood with red heads, 38 florins (\$15.28) per case; white wood with yellow heads, 45 florins (18.09) per case. A case consists of 20 packages, each package containing 50 smaller ones of 10 boxes each. Each box is 2½ by 1½ by ¾ inches, and contains about 75 matches. The import duty is 5 per cent. ad valorem.

THE HALLE-MERSEBURG ELECTRIC RAILROAD.

Consul Warner reports from Leipzig, July 27, 1901, that work has been begun on the electric railroad between Halle and Merseburg, permission for the construction of which was granted by the Prussian Government several months ago. It is expected that the Halle-Ammendorf section will be completed before the beginning of Winter. The total length will be 10 miles. Power will be obtained from the River Saale. The consul also states that the projected electric railroad between Leipzig and Halle has been abandoned, the Prussian and Saxon governments having refused to grant the necessary franchises.

IRON SANDS OF GUADELOUPE.

Consul Ayme, of Guadeloupe, under date of August 13, 1901, reports that, according to a decree recently published in the *Journal Officiel*, a concession for the exploitation of the iron sands of the colony has been granted to Mr. N. de La Ronciere, merchant and president of the chamber of commerce of Pointe a Pitre. The consul adds:

These sands are found at many places along the coast in vast beds. The quantity in sight and immediately available is estimated at some 200,000 tons. It is a very pure magnetic

iron sand, free from impurities, and yielding about 67 per cent. of iron. This iron is said to give a superior quality of steel. This consulate has been in receipt of several letters asking for particulars regarding these iron-sand deposits, but it has heretofore been the policy of the government of the colony to forbid the working of them. Practically unlimited quantities can be furnished, and vessels can be loaded very speedily and safely. All persons interested should write either in English or French to Mr. Numa de La Ronciere, Pointe a Pitre, Guadeloupe, or to the American Exchange, same city.

NOTES FROM NICARAGUA.

The following has been received from Consular Agent Manning, of Matagalpa:

I would call the attention of our exporters to certain things that have come under my observation. The principal merchants here are European, but the large American colony has demanded that they import certain United States goods, wishing better quality than is usual in European articles of the same class. To satisfy this demand, one of the heaviest importers here sent a trial order to a house in San Francisco. Imagine his surprise to find that a number of the articles shipped him bore such mottoes as "Made in Germany," "Made in France," "All English labor employed," etc. This importer is an Englishman, and imports everything he can from England and many things from Germany and France direct, and these same articles would have come to him in this way, less American duties and other charges, therefore much more cheaply. Among the goods were corkscrews, screw-drivers, pocketknives, seissors, etc. I think our wholesalers should understand that when orders are sent from Spanish America, it is with a view to securing United States articles. If Nicaragua duties on ready-made clothing and boots and shoes were reduced, a new trade would be opened with this country, where such things are absolutely not to be had.

REFRIGERATORS IN MALTA.

Malta should prove a good market for American refrigerators and ice chests. The few in use here are of the most primitive type. As a rule, they are merely oblong chests, lined with zinc; but even these bring good prices. I believe that the attractive, practical American article would meet with a ready sale, if properly introduced. The three ice factories here could supply all the necessary ice. I do not believe there would be much demand for high-grade goods; the call would be rather for refrigerators which could be placed upon the market at, say, \$15 or less. The few in use here are principally of English manufacture, brought from England by private parties. They are not on sale at the local stores. Malta has direct steamship communication with New York. The Valletta firms most likely to be interested in the introduction of refrigerators are: C. Breed Eynaud & Co., Robert Balbi & Co., M. A. Crockford & Son, Mortimer & Co., Dalzel & Gingel, Bugeja & Micallef, C. V. Galea & Sons, S. Anastasi & Sons, Emanuele Anastasi, P. Galea & Sons, Francis Balbi, and the Petrolea Bazaar. I would advise that catalogues, printed in English, be forwarded to them at once, together with the lowest export JOHN H. GROUT. prices.

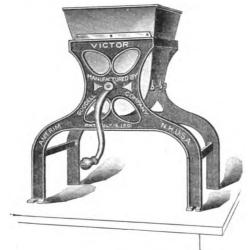
VALLETTA, MALTA, July 25, 1901.

Consul.

"Captain," asked the landlubber, "from what direction do you get a spanking breeze?" "From astern," growled the gruff old seadog, as he paced the quarterdeck.—Ex.

The Victor Vegetable Masher.

The illustration herewith shows a new machine just placed upon the market by the Goodell Co., Antrim, N. H., and 10 Warren Street, New York City. For a long time the need has been felt for some such machine, for until its appearance the mashing of vegetables was a laborious matter, requiring both skill and strength. The use of mashed potatoes is universal and constant, and in this item alone the claim is that the Victor will pay for itself in a week in any large eating house or hotel kitchen, being rapid in its operation and quickly cleaned for a change of vegetables. The result of vegetables

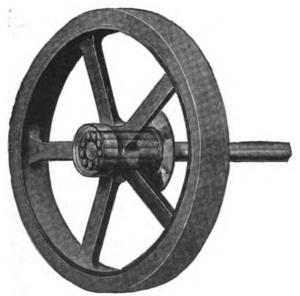


THE VICTOR VEGETABLE MASHER

passing through the Victor is a light, flaky mass free from lumps, and a vast improvement over the watery mush usually served. It is very simple, easy of operation and can be taken apart and reassembled in a few seconds. Its invention is the result of long study and experiment by one of the leading chefs of the country, and produces precisely the results desired in serving vegetables of all kinds. The machine occupies bench space of $14\frac{1}{2}x23\frac{1}{2}$ inches, and weighs 45 lbs. It is solidly built, will stand any amount of hard work. All interior parts carefully tinned to prevent rust. Price \$16 each, with discount to the trade.

Improvements in Carpet Sweepers.

In our last issue we illustrated the National Sweeper Co.'s new "Roller Bearing" Sweeper, together with an unassembled view of its new dust-proof "Roller Bearing" device. In the accompanying cut, we show another view of their "Roller Bearing" device, also cuts of their "Roller Bearing" Marion



ROLLER BEARING WHEEL.

and Monarch Sweepers. The artist has drawn the wheel in such a manner that it can be very easily understood and it will need no further explanation or description than that

given in our last issue. It was long ago demonstrated that a "Roller Bearing" is the easiest and smoothest running bearing known to the Arts and the National Sweeper Co., who are the inventors and sole owners of the patent on the "Roller Bearing" as applied to their Sweepers, are to be congratulated on having brought their Sweepers to such a high state of perfection in the short time they have been manufacturing Sweepers. Another innovation of this company is their new method of packing each Sweeper in a card-board box or carton, as shown in their advertisement in this issue. This



THE "MARION" SWEEPER.

does away entirely with the old method of wrapping in paper and tying with a string. These boxes also protect the finish of the Sweepers, makes them more convenient for the dealers to handle, more desirable shelf goods and a very attractive package to show customers, also a saving in time and labor to the dealer, as the Sweepers can be delivered without re-



THE "MONARCH" SWEEPER.

wrapping. The National Sweeper Co. is making a very liberal offer for their first order, and they will be pleased to send catalogues or furnish any other information that may be desired in regard to their line.

Making of Matches.

Results of ingenious machinery.

It was found a few years ago, says an exchange, that each of the inhabitants of Great Britain consumed on an average eight matches a day. The consumption in this country per capita is considerably larger, though exact statistics cannot be given because treasury returns of the imports of matches convey no idea of the number brought into the country, which is certainly large. The foreign matches are not so cheap as ours, but for one reason or another there is considerable demand for them.

If we figure on the British basis of eight matches per capita a day the home consumption is 610,427,096 matches a day. This enormous figure may be accepted as approximately the home consumption of home-made matches in addition to the foreign matches that are found in all of our markets; but it by no means represents our total output, for a considerable quantity of American matches are sold in European and other countries.

Success in matchmaking at the present time is largely a question of machinery. Matches are sold at a price so exceedingly small that the manufacturers controlling the best machinery for eliminating hand labor and producing excellent matches at a minimum cost have a great advantage in trade. It is next to impossible for one match factory to compete with another unless its machinery is equally efficient. It cannot buy the machinery used in rival factories for it is almost invariably the case that a manufacturing concern

absolutely controls the patents it has thought it advantageous to employ. In order to compete successfully in the match industry, nowadays, it is practically essential to own machinery that is at least as perfect as any used by rival establishments.

American matchmaking machines are the best in the world, which accounts for the success of the American concern in England the other day in absorbing the plant and business of the largest British establishment.

Our public is paying for matches to-day less than half what it paid twenty years ago, though they were then regarded as very cheap. Elderly persons can remember the time when matches were husbanded with considerable care, for it did not take very many of them to represent the value of a cent. But now, thanks to machinery and improved process, nobody cares very much how many matches he wastes trying to light his pipe on a windy day. In fact, matches are so cheap that the cost of supplying a great country with all the matches it wants does not reach an impressive figure. The total product of all our match factories is sold for less than \$10,000,000 a year, which cuts a very small figure when it is remembered that the value of the machines of all kinds that are produced in this country every year is alone about \$400,000,000. Match manufacturing is a small industry after all.

Not many establishments are required to turn out the matches this country needs. Over in New Jersey, only a few miles from New York City, there are two factories with a capacity together of 90,000,000 matches a day. The largest factory in the country, at Barberton, O., can turn out 100,000,000 matches a day, probably a seventh of the entire consumption.

This country has a great advantage in the abundance of aspen, which tree is superior to all other timber for matchmaking on account of its natural qualities and the ease with which it is worked. It is light, spongy and splits easily, and though pine, linden, birch and other woods are also used in this and other countries, aspen is preferred to them all. European match manufacturers have been engaged in a scramble for years past to secure a sufficient quantity of aspen. Germany is importing from Russia every year about 3,500,000 cubic feet of aspen to supplement her own supplies.

Beeswax as Money.

Commodity that is as good as cash in the Hardware business.

It will surprise many people to learn that in almost every part of the United States there is something which merchants regard just as good as the cold cash, says an exchange. That something seems commonplace, for it is nothing more than beeswax. But it is only in one branch of trade that beeswax is current, and that is the one the average person would least suppose—the Hardware line. The reason Hardware stores handle beeswax was explained the other day by a prominent wholesale dealer. It appears that all through the South, as well as in other parts of the country, the tin peddlers swap their wares for beeswax, which they get very cheap.

They make a nice profit on their tinware in the trade, and they also get a profit on the beeswax when they turn it over to the retailers in Hardware. The beeswax passes from them to the wholesale Hardwaremen in the cities, and they ship it in barrels to New York. Wholesale Hardware dealers often receive notices from customers that they have shipped a certain number of barrels of beeswax to apply on account. Beeswax is always a staple article, and in the trade is just as good as the cash at all times.

Like many other goods it sometimes fluctuates in price, but there is always a steady demand for it at the market value. Before the patent hives and honeycombs came into use some years ago, the wholesale price of beeswax was 25 cents a pound. Where large numbers of bees were kept the patent comb was used, and the consequence was that the bees didn't have to manufacture any comb, and in the course of a

year the production of wax decreased so much that the price went up to 70 cents a pound wholesale. It went even higher than that for a while, and then it fell again but it has never got back to where it was before the patents were adopted. If it were not for the tens of thousands of small bookkeepers who cling to the old style of handling bees the price of beeswax would be more than \$1 a pound.

Utilization of Waste Products.

There are many instances of experiments in the utilization of waste which read as if they were intended to be facetious, although the investigators may be in earnest. "One chemist," writes Prof. Peter F. Austen, in the September Forum, "made a wine jelly out of old boots, and was enthusiastic about it—more so, probably, than those who partook of it and did not learn the fact until later. Another converts old shirts into glucose, ferments it, distils off the alcohol, colors and flavors it, and produces a fine grade of whisky. Still another scientific experimenter feeds his whole family with cakes containing a large amount of powdered sawdust, and is pleased to find that the diet is relished and digested.

"Speaking of sawdust, it is a singular fact that in the United States this waste has been allowed to accumulate in various places until it has become a nuisance, especially when it has been allowed to run into rivers and choke up the channels, disfigure the shores and in other ways make trouble. Although there are not a few methods of utilizing sawdust, but little attempt seems to have been made in this country. The amount of sawdust produced has been reduced by the displacement of the circular saw by the band saw, which makes much less dust. There is, however, plenty of sawdust produced, and, as a rule, it does not find any application. In view of this state of affairs, a brief mention of some of the utilizations of sawdust will be of interest.

"The first use, as would naturally occur to any one, is to burn it. Several special forms of furnaces have been invented to do this efficiently. In some cases the sawdust is dried before it is burnt, while in others it is dried in the furnace in which it is burnt. It can also be mixed with coal slack, spent dyewood, turf, peat, etc., and compressed into briquettes, which allows it to be sold for use in place of coal. As coal is very often highly-priced in regions where sawdust is produced, there is an opportunity for a large profit. By the dry distillation of sawdust all the distillation products of wood are obtained, and this manufacture can be conducted as an adjunct to the working of wood in a way to insure a profit. The products obtained are gas, wood alcohol, acetic acid, tar and oils. From the tar there have been obtained benzole, toluole, zymole, cumole, paraffine, naphthalene and hydrocarbons, which are used in the manufacture of aniline colors. Carbolic acid and creosote are also obtained. As a last product, charcoal is left in the retorts.

"By sieving out the coarser particles, mixing the remainder with various fillers and agglutinants, compressing and heating, some very interesting materials have been made in the way of artificial wood, plastic masses, etc. Such a material was brought out by Latry, in Paris, and was made from prepared sawdust and blood. It formed a hard, black substance, which could be tooled and machined like wood. It took a high polish, and could be glued, lacquered and gilded. Imitation marbles have also been made from the fine dust of certain woods and the dust of ivory and similar waste. mixture of sawdust and phosphate of lime with a binder has been used as a material for taking casts of sculptures, and has been called 'Similibois.' Slabs for parquet floors have also been made from sawdust, as well as plates for bas-reliefs, art castings, panels and decorations. Terra-cotta lumber and artificial lumber are both instances of the utilization of sawdust. Sawdust compositions have also been used for sidewalks and dinner plates."

RECENT TRADE PUBLICATIONS.

ART STOVE Co., Detroit, Mich. Catalogue of 116 pages, handsomely printed on coated paper, filled complete with beautiful half-tones, showing a full line of the Laurel Stoves and Ranges, in the manufacture of which this company has long been known. Illustrations are given as frontispiece, showing the extensive plant in the possession of this company, and also a fine view of their Chicago branch and warehouse at 79-83 South Jefferson Street. Full descriptions are given of everp particular Stove and Range. Illustrated. sizes and dimensions of important parts, together with a telegraphic code having reference to each particular item, which is made part of the text throughout the volume. certainly is a very handsomely printed catalogue, and one that those of our readers interested in artistic expression, as noted in stove catalogues, will be pleased to inspect and be impressed with.

Central Hardware Co., Philadelphia, Pa., represented by C. E. Peabody, 90 Chambers Street, New York. Pamphlet catalogue of 24 pages, covering a line of Shelf Hardware manufactured by this company, which includes Cupboard Turns and Catches, Sash Fasts, Fasteners and Lifts, Barrel Bolts, Door Pulls, Thumb Latches, Barn and Store Door Latches, Pruning Shears, Chest Handles, Hat and Coat Hooks, Refrigerator Hinges, etc., etc. Included in its contents is a line of Hand and Compass Saws, Kitchen Saws, Hack Saws and other similar goods. They also manufacture a line of Frame Pulleys in styles and sizes suitable for general distribution.

Schoverling, Daly & Gales, 302-304 Broadway, New York. Pamphlet catalogue of over 100 pages, which is a miniature catalogue, being a reproduction of their large catalogue 1901 B. Included in its contents will be noted a large line of Breech-Loading Guns, double barrel, including the celebrated "Daly" gun, "Manhattan Arms Co.," "New Haven Arms Co.," "Ithaca" guns, and a large variety of similar goods that have formed part and parcel of their important stock. In addition to the above, a line of Sporting Goods of every description will be found in the contents of this very useful catalogue. Everything in the shape of Bicycle Sundries and Sportsmen's Specialties in general will be found incorporated. Net prices are given throughout in a very taking manner, making unnecessary the customary discount sheet that is usually considered indispensable.

Brown & Sharpe Mfg. Co., Providence, R. I., have issued a pamphlet catalogue, envelope size, under the title of "Something New," which is devoted entirely to the "Brown & Sharpe" Spring Calipers, Spring Dividers, and the new Firm Joint Calipers, which are being manufactured by this concern. The "Brown & Sharpe" Calipers and Dividers are made in the usual styles and sizes of these goods running from $2\frac{1}{2}$ to 6 inch; furnished with spring nut or solid nut, as the case may be, the spring nut being entirely new in design, and constructed on the principle of the spring chuck, with the jaws carefully hardened. The Firm Joint Calipers are made in the usual Outside and Inside styles, running from 3 to 24 inches, and are calculated to fill a requirement in this particular line that has long been desired. This catalogue should be sent for by our readers.

E. W. Bliss Co., Brooklyn, N. Y. Pamphlet catalogue No. 4, 28 pages, covering a line of Drop Hammers and Trimming Presses manufactured by this well-known company,

making one of a large number of catalogues that cover their several important lines of Presses. This is handsomely printed in common with their other catalogues on excellent paper, the finest kind of half-tone illustrations making plain all the important features of the presses referred to. Descriptions, dimensions and weights are given complete, every possible requirement being attended to covering those special features.

ODIN STOVE Mrg. Co., Erie, Pa. Illustrated catalogue and price list of 1901-1902, in pamphlet form, of 40 pages, covering the line of Odin Gas Heaters and Appliances with the manufacture of which this company is identified. The catalogue is very complete, and includes twelve new styles of Heaters placed on the market for the first time this season. The designs are new and modern, very handsome in appearance and the catalogue is illustrated throughout with half-tone engravings, showing the goods in an admirable manner. This is a desirable catalogue of this class of goods, and our readers handling this important line would do well to send for the same.

REED MFG. Co., Erie, Pa., who are manufacturers of Plumbing, Steam-fitting and Hardware specialties, issue a very neat little catalogue of 24 pages, printed on excellent paper, and finely illustrated, showing their line of such goods as Malleable Iron Pipe Stocks, Pipe Dies, Machinists' Vises, Regular and Extra Heavy Combination and Sectional Jaw Pipe Vises, Pipe Taps and Reamers, various Pipe Cutters, both regular and quick-acting of the three-wheeled variety; Emery Wheel Dressers and Machinists' Wrenches, Pipe Wrenches and Gas Pliers, etc., etc. Included in the contents of this catalogue will be found Combination Pipe Tool Sets, which are sold by them complete with chest in three styles; also Beam Clamps and Pipe Hangers in the latest devices. They are also manufacturers of the "Economy" Oil Cup, which has met the approval of the trade for engines, motors and loose pulleys. It is a very desirable little catalogue for those handling this class of goods.

S. R. SLAYMAKER, Lancaster, Pa., John H. Graham & Co., Selling Agents, 113 Chambers Street, New York. Pamphlet catalogue of 70 pages, dated August 1, 1901, and forming No. 35 of a series, covering their line of Padlocks, Bicycle and Dog Collar Locks, Lathes, Night Latches, Railroad Locks and Car Hardware. A large number of new goods are included in this catalogue covering a line of Pressed Steel and Brass Padlocks; also new types of Night Latches, largely increasing the complete assortment of those goods which have been the important products of this well-known maker. Selection has been made in the construction of this catalogue, so that only the very active selling goods are shown. numbers no longer in heavy demand are omitted, although most of them can be supplied, if necessary. The catalogue is well gotten up, fully illustrated throughout, descriptions being easily understood. All cuts being exact size, makes it an extremely interesting gathering of a very desirable line of Hardware specialties.

Employer—Mr. Redink, you got off yesterday afternoon under the plea of being ill. I saw you afterwards going to the races, and you didn't appear at all unwell.

Clerk—You ought to have seen me after the second race, sir; I was bad enough then.—Ex.



PERSONAL SERVICE SERVI

"Green Book" Specialties.

Smith & Hemenway Co. and the Utica Drop Forge and Tool Co., 296 Broadway, New York City, are calling special attention to the improved Linemen's Flat and Side Cutting Pliers, illustrations of which we give herewith. Fig. 1 (Green Book No. 50) represents their standard Linemen's Side Cutting Plier manufactured by the Utica Drop Forge

one. But unlike the majority of combination tools, the manufacturers claim that every tool in this combination may be relied upon to do the work for which it is intended, with perfect satisfaction. The several uses to which it may be applied are indicated by the smaller cuts. It has in its make-up two staple pullers, two nail pullers, two wire cutters, two hammers, a pair of pincers, the equivalent of a



FIG. 1.

& Tool Co. This is carefully forged from the finest tool steel, and is so constructed that the leverage obtained is claimed to be fifty per cent. greater than in pliers of imported manufacture that have formerly been prominent in Hardware stocks throughout the country. The handles are formed in a manner that enables them to fit the palm of the hand perfectly, and this adds greatly to the ease in using them as well as increasing their strength. Fig. 2 (Green Book No. 118) represents their Insulated Linemen's Plier.

monkey wrench, a wire tyer or splicer for plain or barb wire, and a wire stretcher. It is 10½ inches long, and weighs but 1½ pounds. The Smith & Hemenway Co. have been very successful in introducing a number of these specialties, such as are described above. Although they began several years ago in a very small way, to-day they have in their control upwards of 700 different tools and finishes, samples of which are displayed in their show room in New York. It is natural for them to claim that their success has been attained



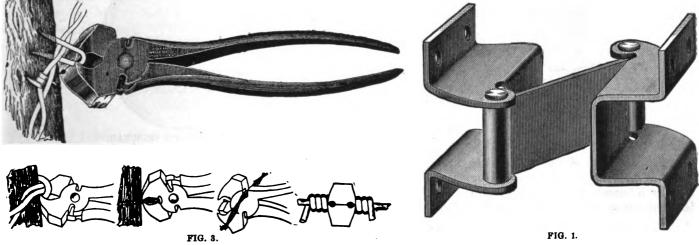
FIG. 2

This is designed to be specially adapted for telephone and electrical work. By its perfect insulation, which is part of its construction, it is impossible to receive a shock through the handles of this plier. The general construction is similar to that described above in Fig. 1, the same amount of leverage being obtained, but the addition of a patent round edge has been found in use to be greatly appreciated by the lineman, as it prevents cutting of the clothes when necessary to

by rigidly maintaining quality as against quantity, so that to-day the largest Hardware stores in the United States are handling to a greater or less degree many articles of their production, while at the same time their export trade in foreign countries is of an exceedingly extensive character.

Wilcox-Erickson Double Acting Steel Gate Hinge and Latch.

Wilcox Mfg. Co., Aurora, Ill., are placing upon the market one of the most novel and original articles in their Wilcox-



place it in the pocket. Another important Plier largely sold by this company is shown in Fig. 3 (Green Book No. 1900) which represents their latest pattern Russell Staple Pulling Button Plier. This is a very useful tool for general purposes, as in its many uses it forms eight tools combined in Erickson Double Acting Steel Gate Hinge and Latch that we have seen in that line, demonstrating the fact that this is the "age of steel" for specialties of such utility. Heretofore articles of this character have been made from cast iron, necessarily heavy and clumsy in appearance, with apparent



strength, although frequently liable to a breakage, which is made impossible in the one under review by the employment of steel as constructive material. Fig. 1 shows the hinge and Fig. 2 the latch. The hinge is easily applied, a common eye bolt being used for the top portion of the hinge. As the hinge has no top or bottom, no right or left, it is referred to

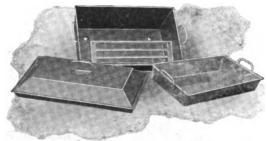


as being proof against the errors of the poorest mechanic, as it is almost impossible to wrongly apply it to the gate post. The hinge is not only non-breakable, but is besides much lighter than cast iron, thus affording a saving on the item of freight. It is stated that the latch has an adjustment hitherto unknown to gate latches, as it compensates for the shrinking and swelling of both the gate posts and gate stiles.

FIG. 2.

Royal Roaster and Baker.

The Royal Polished Steel Roaster Co., Troy, Ohio, are manufacturing the Royal Polished Steel Roaster and Baker, an illustration of which is herewith given. A number of similar roasters and bakers have been on the market for a number of years, but in the one before us the latest improvements to make it as perfect as possible for the uses to which it may be applied have been embodied in its construction. The outside pan and cover are made from polished sheet steel, while the inside pan and grate are of the finest bright sheet tin. It is claimed that in roasting in any iron pan the gravy is always discolored, and frequently tastes of the iron. The use of tin inside pans and grate bars in the construction of this roaster and baker is intended to obviate the above objection. The inside or dripping pan is kept from any contact with the outside pan by four indentations in the bottom of the pan. This permits of a perfect air-passage by its formation, and the burning of gravy and kindred difficulties are almost entirely avoided. Every effort is made in the material, workmanship and construction of the Royal Roaster to fulfil every possible requirement, in order to make a perfect article, and one that will merit and receive the confidence of the trade. It is made in seven different sizes. which extend from 9 inches by 13 inches long and 10 inches



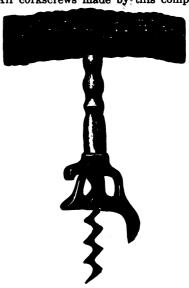
ROYAL ROASTER AND BAKER.

deep to the extreme size of 15 inches by 20 inches long and 9 inches deep, prices varying in accordance with the size. Further information in regard to this improved article will be furnished by the manufacturers on application.

Improved Stag Handle Corkscrew.

The Erie Specialty Co., Erie, Pa., who are well known as manufacturers of self-pulling corkscrews, distribute through the Hardware and housefurnishing goods trade several varieties under Walker's patents, from the cheaper varieties with steel finish and maple handles to the finest nickel finished with selected stag and pearl handles. They also manu-

oughly tested and guaranteed. We illustrate herewith one of facture quite a number of varieties of the ordinary kind of corkscrew. All corkscrews made by this company are thor-



STAG HANDLE CORKSCREW.

their Stag Handle Corkscrews, of which they make an extended assortment.

Rubber Horse Shoe Pads.

The Western Horse Shoe Pad Co., 52-60 Fifth Avenue, Chicago, Ill., are introducing to the trade the Rubber Horse Shoe Pads, an illustration of which we give herewith. is the belief of those interested in the matter that the majority of hoof diseases can be traced to excessive concussion, it being understood that if the horse traveled on a yielding surface like the soft ground, as nature evidently intended they should, diseases of the foot and slipping would be rarely heard of, and the horse prevented from becoming valueless when in his prime. Pads made of pieces of sole leather have been used, and some to which a piece of rubber has been sewed, riveted or glued, but the leather being exposed to the elements becomes hard and stiff, and elasticity almost entirely destroyed. To overcome this objection has led to the invention and adoption of the Rubber Horse Shoe Pad which it is claimed thoroughly lessens the concussion, is designed to expand contracted heels, and undoubtedly relieves tender feet and lowers hoof temperature. These rubber pads are manufactured to be used in connection with metal shoes, and are constructed so as to obviate the objectionable features in other pads above referred to. They are made of the same grade of rubber used in vehicle tires, extensive experiments made by the manufacturers having fully demonstrated this grade of rubber to be best for horse shoe pad service. heel or bar has been greatly strengthened, nearly a quarter of an inch more rubber being used than has heretofore been



RUBBER HORSE SHOE PAD.

the case. The pad portion which comes in contact with the hoof is made of several layers of heavily frictioned Sea Island cotton, which forms a very tough fabric, giving it the stiffness of leather, and yet unlike leather, the vulcanized canvas does not tend to brittleness or hardness from the necessary exposure or moisture. The heel is vulcanized to the friction part, making the heel and pad one piece. This is accomplished with a view of overcoming the necessity of stitching, riveting or cementing, which adds to the cost of the pad, and is even then frequently found defective, owing to the separation. Where a horseshoer does not carry these goods in stock, the company will forward a sample pair upon receipt of a tracing of a horse's front feet on a piece of paper, accompanied by the price, \$1 per pair.

REVIEW OF THE MARKETS.

wire Nails: A continued strong demand is still the prevailing feature of the Wire Nail Market. The increased facilities at the mills enable a fuller supply to be among the possibilities; still shipments are not as complete as the trade could wish, and a full assortment of sizes is not always immediately obtainable. Quotations continue as follows: f. o. b. Pitsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers in carload lots	.80
To jobbers in carload lots	.85
To retailers in carload lots	.40

New York. A lighter demand marks the first week in the month, although some local disturbances are referred to as affecting the market unfavorably, and lessening the demand from the dealers. The following prices represent the market:

Cut Nails: The September prices on Cut Nails having been re-affirmed for October, no change in demand is especially noticeable. The manufacturers still complain of inability to get full supply of material. Prices are quoted as follows: f. o. b. Pittsburgh, plus the actual freight to point of destination, terms 60 days, or 2 per cent. discount for cash in ten days:

New York. Local market prices are unchanged, as follows:

Barb Wire: The demand for this staple, which has been an excellent one throughout the season, is gradually moderating in the Eastern markets; although the Western demand still continues an active one, sales being above the average for the month. Manufacturers, with increased facilities, are better able to make prompter shipments, which materially assist the deliveries from the dealers. Quotations remain without change. F. o. b. Pitsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers	in carload	lots, Painted	
44	less then	Gaivanized	9 RK
44	1699 (1141	"_ " Galvanised	2.95
To retailers	in carload	lots, Painted	2.70
		lots, Galvanised	
		an carload lots, Painted	
To retailers	in less that	n carload lots, Galvanized	8.10

Ellwood and Baker Wire is 5 cents and Washburn & Moen Glidden is 10 cents per 100 pounds higher than the prices above named.

Plain Wire: Mills are generally confessing inability to keep pace with the steady requirements, the demand keeping in a remarkably satisfactory condition, the mills being still behind orders with but little chance of material change. Quotations remain as follows: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. for cash in ten days:

	Base	sises.
	Plain.	Galv.
To jobbers in carload lots	82.25	\$2.65
To jobbers in carload lotsless than carload lots	2.80	2.70
To retailers in carlots	2.85	2.75
less than carload lots.		2.85

The above prices are for the base numbers, 6 to 9. The other numbers of Plain and Galvanized Wire take the advances indicated in the following table:

No 6	s. to 9.			. Base .	'ire Advi					COLO	anised.
10				\$0.05	advance	Over	hase			.40	
11				10	44	***				40	66
12	and 1	21	Ġ١	18	64	64	44	• • •	•	40	60
13		- ,	•	25	64	66	44	•••	• •	140	64
14		••	•	25	64	44	66	• • •	• •		-
15	• • • • •	•••	••	45	44	66	66	• • •	• •	78	44
16	• • • • •	•••	• •	55	66		64	• • •	• •	75	44
17	• • • • •	• •	• •		44	44	44	• • •	• •		44
16	• • • • •	• •	٠.		**	4	44	• • •	• •	1.00	44
19				80	•••	••	••			. 1.00	40

Cordage: Advancing conditions make present prices show a considerable improvement, both Manila and Sisal being quoted at the highest prices that have obtained for some time. The following quotations represent the market:

	Pounds.
	Cents.
Manila, 7-16 inch and larger% inch	. 111/4
% inch	1144
4 inch and 5-16	121/4
Sisal, 7-16 inch and larger	1214 914 914
% inch	932
inch and 5-16 inch	101/
Lath Yarn, medium and coarse	ŘíŽ
Jute Rone, No. 1	101/4 81/4 61/4
Jute Rope, No 1	. 6

Linsced Oil: The following quotations are the latest announced by the Dean Linseed Oil Co:

In lots of less than 5 barrels...... 66 cents per gallon. In lots of 5 barrels or more...... 65 cents per gallon.

The five-barrel price applies only to deliveries of that quantity at one time.

Boiled Linseed Oil, 2 cents per gallon higher than Raw. Calcutta Oil, 85 cents per gallon.

THE PHILADELPHIA TRADE.

The Fall season is now well under way, and the cooler weather of the past few days has made an increased demand for oil stoves, skates, snow shovels, sleds and Winter goods, and the general outlook continues good.

During the first week in October, trade is usually interrupted by State and County fairs, conventions, etc., and salesmen report this year has been no exception, but this is only temporary, and, as far as can be judged, the outlook for a promising Fall trade is exceedingly good.

The month of September just closed shows a very handsome increase over the same month of previous years, and the consumption appears to be entirely legitimate and perfectly free from speculation. Goods are rapidly being consumed, and the main trouble to-day is to get goods. Manufacturers are still far behind on orders, and, with some of them, it is a question whether prices should not be increased, and, in many cases, only a strong sense of business prudence and good judgment has kept goods from going higher.

Collections continue fair, and there seems to be an increase in the number of dealers who are discounting their bills.

BIDDLE HARDWARE Co.

THE BALTIMORE TRADE.

With the present rush of business we are absolutely buried, socially, and find but little time to eat and sleep and no time to be merry. If the average profit in seasonable goods was larger, we could perhaps sleep and eat better, and many good things would follow later, but it is a matter of regret to the jobbing trade that loaded shells, shot, powder, etc., do not pay a profit equal to the average cost of doing business. Shot costs the jobber \$1.45 per bag in ton lots, and is sold at list price, \$1.50 per bag to the retailer.

Loaded shells, axes and stove pipe are still hard to get hold of, and we are far behind on our orders on these goods. The country seems more prosperous and the volume of trade larger than we have experienced for a long time. Collections continue good.

H. W. Webb & Sons.



THE COLUMBUS TRADE.

Only three months more of 1901 remain, and I venture the assertion that more unfilled contracts and orders will go over to another year than ever before. This has been a remarkable year in many respects. The demand for goods in every line of mercantile business has been far in excess of the supply. Dry goods, shoes, hats and even dry goods notions have been hard to get, and every Hardware merchant, both jobber and retailer, knows the serious annoyance and loss they have had to stand. It has simply been out of the question to keep a complete stock in any line. It has been much easier to sell goods this year than to get them. Builders' Hardware and tools have been in active demand and manufacturers have frankly advised dealers that they could not fill orders for a month and some times three months. Then you could safely add a month or two more. We have orders out that were given in April and May, still not completed. This all indicates that every class of people has money to buy goods and is making improvements.

The country is becoming a net work of electric railroads and telephone lines. This takes an enormous lot of material and gives employment to men both in towns and the country. Farmers who have an extra team can get a job any time on some electric road.

Prices on Hardware have been steadier than they were in 1900. I do not remember nails and wire ever remaining the same price so long, and there is no probability of the price being lowered so long as the demand keeps up. Indications for continued active business for 1902 are the very best. All that is necessary is to keep a steady rein; buy staple goods in fair quantities but not in speculative quantities unless you have the money to spare. Even then it is none too safe, but keep a good stock as there will be a demand for it. The season so far in 1901 has been very uneven. June was a wet one and farmers could not do any good with corn; but how the weeds did grow! Many a corn-field would have made a good place for a boat race, and then we all got dry, and then dryer and finally withered. Result: Poor corn crop, ditto potato and tomato. Think of potatoes selling for \$1.40 per bushel and tomatoes \$4.00 per bushel. But peaches, yes that crop was a "peach." They will not do though for steady diet. Peaches and cream are good to top off with, but there is always a corner in one's bread basket for a good-sized potato, and it does not make much difference what else you have, the potato corner of your stomach is not satisfied until it gets the potato; and it is all the same whether they cost 25 cents or \$1.25 per bushel. It is the same with other necessities of life. For instance, I paid 25 cents for about two dozen fish worms several times during my outing the past summer, but to offset that, nice little green frogs were only 10 cents a dozen. If some one would start an "angle worm" farm up in the

Georgian Bay country, he would have a cinch, but he must take the farm with him. There are plenty of rocky places to put it when he gets there. Now, for the information of any Hardwareman who wants to own an island all by himself so he can say "Up on my island," I will say that they can be bought for \$1.00 each and up, owing to size. You can get them up in the Georgian Bay from the size of a bladder of putty to a barn yard, and some larger. If you want to fish, write to me and I will tell you just where they live. It is strange how you will meet people in an out-of-the-way place. I joined a party for an outing from a town called Little Current, Ontario, not expecting to see any one I knew, but to my surprise there were on the little 20-foot tug acquaintances from Dayton, Toledo, Cleveland and Columbus. Do not ever start off for a time thinking you will get way back where no one will know you. You will get fooled if you do. I knew better, so I took my wife with me. I tell you those "Canucks" can give a Kentuckian pointers on drinking whiskey. Most of a boat's cargo for some of the towns is Canadian whiskey. I do not know how it compares with Kentucky brands, as I am no judge.

The terrible calamity that has befallen our country in the assassination of President McKinley has proven a number of things. First, and greatest, is the proof of loyalty in every part of the United States. All nationalities and all religious and civil societies are one in condemnation of the cowardly deed, and equally unanimous in commendation of the high character and wise administration of the martyred President. Another lesson learned is that this government has been too easy with the class of people who by speech or through the press encourage, and directly or indirectly advocate, just such a deed as was committed at Buffalo. Free speech does not license any one to preach anarchy. It is hard to say which is the most poisonous, yellow journal cartoons and writings, Herr Most and Emma Goldman's teachings or so-called anti-imperialist rantings. The important lesson shown in the assassination of the President is, that from now on the government must act before the assassin. Whenever a man or woman preaches or talks treason, pinch him. It matters not whether it is in the halls of Congress or in some garret or in a yellow journal. It is a fortunate thing that so good a man as President Roosevelt is McKinley's successor. There is no reason why this country should not keep up the pace in the financial and industrial world that has existed for the past few years. The manly avowal of President Roosevelt, that he would continue the policy of President McKinley had a quieting effect on the financial and commercial world that was marvelous. People have confidence that he meant what he said and they know he has the ability to make his promise good. With a revision of the tariff laws and broadened reciprocal treaties, this country has nothing to fear.

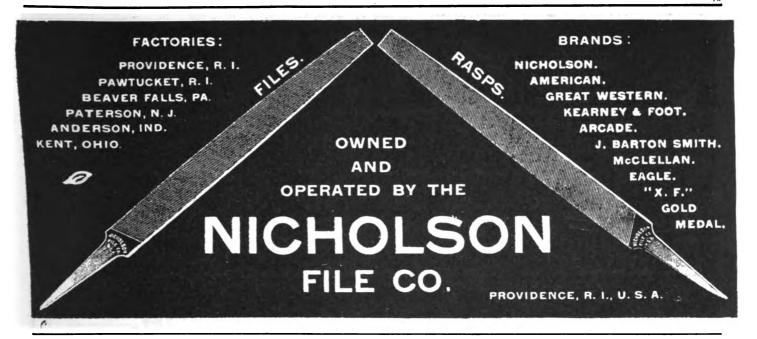
THE SMITH BROS. HARDWARE Co.

THE NASHVILLE TRADE.

Trade conditions for the past thirty days have shown improvement over the thirty or sixty days previous, still they are not up to the standard. The drouth through July and the flood in August are making themselves felt now, and we cannot look forward to a very heavy Fall and Winter business. Crop conditions generally (and on the growing crops in a great measure depends business) are far from being favorable, and the corn crop in the middle section of our State will hardly be one-fourth the full crop, naturally cutting down the cattle and hogs. All together, this will have, we fear, rather a depressing effect on business.

The recent advance in the price of bar iron, and the very strong upward tendency in all lines of Hardware, inspires with confidence the buyer who might otherwise fear a decline and not fully anticipate his wants.

Collections from the country trade are not as good as usual



for this time of the year, yet there is a possibility of an improvement in this line as the Fall season comes on.

Sportsmen's goods such as guns, ammunition, etc., are moving very slowly. Builders' Hardware is a trifle better.

Doubtless all jobbers who belong to the National Hardware Association are looking forward to a pleasant and profitable meeting at Cleveland on the 9th, 10th and 11th, where will be seen the rotund form and genial, smiling countenance of T. James Fernley, secretary-treasurer of the Association.

H. G. LIPSCOMB & Co.

THE PITTSBURGH TRADE.

The general business situation could hardly be better than it is at present. Plentiful crops now gathered are bringing the growers good prices. Labor troubles are over, and all mills are running to their fullest capacity, with orders at paying prices, that will keep them busy all Winter. A plentiful supply of good money for all legitimate enterprises, and confidence of the public in the strength of the situation. Our domestic market alone will keep the mills active for months. The foreign demand at present seems to have fallen off somewhat. As to the Hardware jobbing trade, under the above conditions it should be profitable, yet it is a fact that many goods are distributed below the cost of handling. The disposition of some houses to try for all the trade is the cause of this, while a more moderate policy would result in a profit for all, as there is business enough to go around. Some are advocating a general consolidation of jobbing houses as the only remedy. If this were possible, it would rival the biggest combines in capital and influence.

LOGAN-GREGG HARDWARE CO.

THE DAVENPORT TRADE.

The vacation season is past. Each one of the force is again at his post, and now, with the exception of sending one delegate to Cleveland to attend the National Hardware Association, it would seem that the usual steady grind will quietly proceed until inventory time comes in December. The slight rains, though coming very late, have improved the crop conditions, and trade is very good indeed. Prices are steady, and while there is no speculative demand, merchants are ordering freely for their wants for the balance of the year. Collections are a little slow, but no doubt will improve as soon as threshing is finished.

Sickels, Preston & Nutting Co.

THE ST. PAUL TRADE.

We expect that your convention number will be worthy of preservation, both as to its being, as usual, a splendid history of the work done and the faces of the prominent Hardware men of the country, and we wish we had some something startling to write which could go down to future generations of your issue, but the usual routine only occupies our time and attention, yet the Hardware trade is unusually good, and has been so for several years, and without doubt, will be for several years to come. The whole country is prosperous and all get the benefit to a greater or less extent. Of course, we must expect some public, as well as private calamities, such as McKinley's murder startles the whole world, a financial failure makes havoe among many or few, according to its magnitude, but from all we rise to again put our shoulder to work and raise ourselves above the trouble. We know that the right thing to do is to do right. Let every day's work be finished in such a way that no regrets will be necessary, and then take the consequences. Men have lived before us and will live after we are gone, and our record is all that we really leave for an inheritance. The Hardwareman's lot is not an easy one, but he can and must be honest in every way. His desire to become rich is proper, but riches alone never bring happiness—a contented mind and a sound body are more to be desired. We anticipate the pleasure of meeting old acquaintances and making new ones while at Cleveland. C. W. HACKETT HARDWARE Co.

THE OMAHA TRADE.

Trade is moving in the usual channels in satisfactory volume and without anything especial to note. Season goods, especially in the line of sheet iron and tin plate are, of course, extremely difficult to procure, but the stringency is not as severe as was expected 30 days ago, though possibly a touch of cold weather may entirely change conditions in this respect. Prices are fairly well maintained, collections are up to the average and no complaint appears to come from the country in regard to either present business or future prospects.

Rector & Wilhelmy Co.

THE SAN FRANCISCO TRADE.

In moulding into this paragraphic form the notes jotted down this second day of October as retail Hardware dealers kindly responded to the Hardware correspondent's line of inquiry, the trade is busy enough just now, especially the builders' Hardware trade, but is bothering itself about how things are going to come next week, and the week and beyond thereafter. The gist of the combination talk is that owing to labor troubles, yet unsettled, new building contracts filed within the last sixty days, and numerous others in a condition of negotiation, are being held in abeyance, and the present activity in this connection, which was begun when labor unions went on strike, with the proviso that unfinished be concluded, will be completed within the next few days.

Just what you Want



THE

LEE BREAD CRUMBER

No. 10.

For the Hardware Trade.

SIZES heretofore made are not suitable for the Hardware trade, being sold through the hotel supply houses exclusively. The No. 10 is for family use and there will be a large demand as it will be liberally advertised. This size

Will be Handled by the Hardware Stores.

See that you have a sample at once, of your Jobber, or address-

N. Y. Office, 10 Warren St. GOODELL COMPANY, Antrim, N. H., U. S. A.

Expression was also voiced to the effect that stocks are in a state of depletion and that immediate orders are being delayed by the crowded factories.

Two weeks ago it was noted in this correspondence that Secretary Bennett of the San Francisco and Oakland Retail Hardware Dealers' Association, had rallied fifteen new members. The number should have been eighteen, as follows:

Star Hardware Co., Knoles & Kennedy, T. B. Smith, Eastman Bros., E. M. Winegar, Hetty Bros., J. J. Cass, M. Schimetsheck, W. H. Borman, J. Haug, Claude Long, Albert Gibson, P. Cove, A. K. Kennedy, M. Cuneo, P. A. Ferrin, A. Beck and Howse Bros.

This month's meeting of the association, next week, is to be favored with an address by Alfred C. Rulofson, manager of Baker & Hamilton's Hardware department.

Just on the eve of mailing time for this correspondence, it was heard with favorable comment at several of the leading retail Hardware houses that prominent local wholesale Hardware and iron and steel concerns had under serious consideration a business combination with a capital stock ranging from \$5,000,000 to \$20,000,000. Under this sort of a pooling agreement it was argued the big Hardware firms would be enabled to operate their concerns at a much less cost than is the case

at present; that the army of drummers now in the field at an expense of many thousands of dollars annually to the competing firms could then be dispensed with, and in greater bulk goods could be bought and at a great saving. In other words, the proposed pooling of Hardware interests would prevent competition, and while it would lessen the cost of materials to the members of the pool, it would enable the consolidated concern to sell goods at a lower figure and still yield a fair profit.

Industrial Press Association.

She Understood.

"Excuse me," he said to the applicant for the typewriter's position, "but I would like to know your age?"

The young woman looked astonished.

"May I ask what that has to do with my fitness for the place?" she inquired.

"Nothing," he promptly answered. "You see, it's my wife that wants to know."

"In that case," said the applicant, who was pretty as well as young, "tell her I am 47."

And the smile that followed this ingenious statement brought out four beautiful dimples.—Cleveland Plain Dealer.

STANLEY RULE & LEVEL CO.

NEW BRITAIN, CONN., U. S. A

Improved Carpenters' Tools.

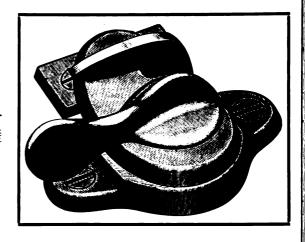
SOLD BY ALL HARDWARE DEALERS

NEW WROUGHT METAL

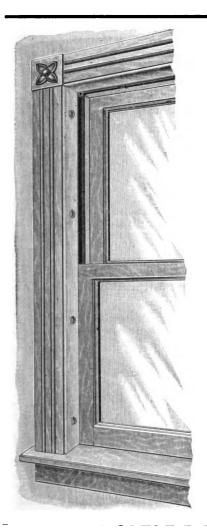
Sash Lock

PATENTED, OCT. 2, 1900.

POSITIVELY BURGLAR PROOF.



Locking securely either when opened or closed without the aid of springs. As a Sash Fastener, this device excels all others in safety and durability.



IVES' PATENT=

Window Stop Adjuster

AS APPLIED TO WINDOWS FOR

Protection Against
Cold Draughts,
Dust, Rattling
or Binding.



TO APPLY USE ONE-HALF INCH BIT.

The heavy bed will not bend or cup in tightening the screw.





ALL IN ONE PIECE OF METAL.

Manufactured only by THE H. B. IVES CO.,

Sample and Catalogue Mailed Free on Application.

New Haven, Conn., U. S. A.

Manufacturers of Window Hardware Specialties.

& CO.,

Chambers Street and 95 Reade Street,

NEW YORK.

DIRECT REPRESENTATIVES OF THE FOLLOWING MANUFACTURERS:

American Screw Co.,

Brass and Iron Wood Screws.

Atlas Tack Co.,

Tacks and Brads of every description, Rivets, etc.

Bevin Bros. Mfg. Co.,

Hand Bells, Gong Bells, Trip Gongs, House Bells, Team Bells, etc.

D. W. Bosley Co.,

Window Cleaners, Floor Scrubbers, Weather Strips, etc.

A. W. Brinkerhoff & Sons,

Universal Corn Huskers.

The Bronson Co.,

Side and Box Coffee Mills. Roast Pans, Wire Rope Clamps.

Charles Buck,

Tang and Socket Chisels, Gouges and Carving Tools.

D. H. Burrell & Co.,

Butter and Cheese Triers, Flour Testers, etc.

Chadborn & Coldwell Mfg. Co.,

Hand and Horse Lawn Mowers, Beef Cutters,

Chantrell Tool Co.,

Nail Pullers, Screw Drivers, Bicycle Chain,

Coates Clipper Manufacturing Co.,

Toilet, Horse and Power Clippers.

Coes Wrench Company,

Coes Genuine Knife Handle and Mechanics' Wrenches.

Continental Tool Company,

Steel Goods.

Cooper Hose Mender Co.,

Hose Menders.

Derby & Ball (Export),

Scythe Snaths.

Henry Disston & Sons,

Saws, Plumbs and Levels, Screw Drivers, etc.

Geo. M. Eddy & Co.,

Asses' Skin Measuring Tapes, Patent and Enameled Leather Tapes, Steel Tapes, Pocket Tapes, Tailors' Measures, etc. (Largest line in the world.)

Geo. E. Gay, Suc. to Gay & Parsons,

Ratchet Screw Drivers.

Gibbs Mfg. Co.,

Lawn Rakes, Garden Rakes, Weeding Hooks, Post Hole Diggers, Garden Trowels, etc.

Iron City Tool Works,

Vises, Picks, Mattocks, Grub Hoes, Sledges, etc.

H. B. Ives Company,

Sash Locks, Sash Lifts, Door Bolts, Window Stop Adjusters, etc.

E. Jenckes Mfg. Co.,

Crescent Coat and Hat Hooks, Bright Wire Goods, Belt Hooks, Spring Cotters, etc.

P. Lowentraut Mfg. Co.,

Clostes Cycle Wrenches, Mechanics' and

Mason & Parker,

Complete Line of Bit Braces.

Stephen McClellan,

Corner Brace. Most complete tool made.

McKinney Manufacturing Co.,

Steel Butts, Strap and T and Screw Strap Hinges, Steel Washers, Steel Shelf Brackets, Barn Door Hangers and Rail, Stay Rollers,

New Departure Bell Co.,

Brass Racking Cocks, Liquor Cocks and Compression Bibbs. Door, Call, Car, Fire and Bicycle Bells, Cyclometers, Lamps, New Departure Coaster Brakes, Trousers' Guards, etc.

Noera Manufacturing Co.,

Oilers, Engineers' Sets, Lawn Sprinklers, etc.

Nolin Manufacturing Co.,

Grass Hooks, Scythes, Hay Knives, etc.

North Bros. Mfg. Co.,

Freezers, Perfection Meat Cutters, Wringers, Fluting Machines, Screw Driver and Drill, Weed's Faucets, etc.

J. K. Osborn Mfg. Co.,

"The" Mouse and Rat Traps.

Parish & Bingham Co.,

Curry Combs.

Fred W. Peck, Agent,

Hatchets.

Phoenix Caster Co.,

Martin's Patent Casters, etc.

Pittsburgh Shovel Company,

Shovels, Scoops, etc.

T. C. Richards Hdw. Co.,

Picture Nails, Hammock Hooks, Wood Faucets, etc.

Schofield Manufacturing Co.,

Ice Breakers, Mincers, Tack Claws, Can Openers, Parers.

S. R. Slaymaker,

Padlocks, Latches, and Bicycle Locks.

Seymour Smith & Son,

Pruning Shears, Rockdale and Standard Tree Pruners, Breast Drills, Bull Rings, Cattle Leaders, Bench Hooks, Saw Sets, etc.

Snell Mig. Co.,

Boring Machines, Auger Bits—Snell's, Bates and Jennings Pattern—Car Bits, Ship Augers and Bits, Screw Driver Bits, Nail Sets, etc.

"Sterling" Flint Paper,

Flint Paper, Emery Paper and Cloth, Crocus Cloth, etc.

Storm Mfg. Co.,

Diamond Pointed Nail Sets, Dumb Waiter and Elevator Fixtures, complete Dumb Waiters and Elevators, etc.

Tucker & Dorsey Mfg. Co.,

Alarm Tills, Saw Bucks and Frames. Slaw and Kraut Cutters, Hat and Coat Racks, Lemon Squeezers, Tucker's Casters, etc.

L. S. Watson Mfg. Co.,

Cotton, Wool, Horse and Curry Cards, etc.

Frank P. Welton.

"Ivy" Key and Metal Key Faucets:

Whittier Mills,

Braided Sash Cord. etc.

HENRY DISSTON & SONS, Inc.,

PHILADELPHIA, PENNA

MANUFACTURERS OF

Saws, Files of Tools

-0F-

SUPERIOR QUALITY and UNSURPASSED WORKMANSHIP.

TROWELS.

BRICK PLASTERING and POINTING.

TRY SQUARES
BEVELS
PLUMB & LEVELS
GAUGES
CROUT CUTTERS
SCREW DRIVERS
DIGGERS
CORN KNIVES
SAW CLAMPS
SCREWS
ETC.

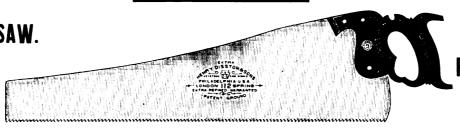


HANDLES
BACK SAWS
PRUNING SAWS
HACK SAWS
COMPASS SAWS
BUTCHER SAWS
BAND SAWS
CIRCULAR SAWS
MANDRELS
GUMMERS
TOOLS
ETC.

MACHINIST SCREW DRIVER.



No. 112 HAND SAW.



FINEST SAW Extant.

MANUFACTURED FROM CRUCIBLE STEEL OF OUR OWN MAKE, CAREFULLY FORGED AND HARDENED. CORRECTLY SHAPED TEETH. THE MOST DURABLE FILES ON THE MARKET.



44 VIM ** Champion Tooth Saw, High Grade Steel, Taper Ground.



WE MANUFACTURE THE LARGEST AND FINEST LINE OF SAWS IN THE WORLD.

MILLERS FALLS CO'S STAR SAWS.

STAR HACK * SAW BLADES.—With 14 or 24 Points.

Length of Blade, Price, per dozen, Price, per gross,

55c. 6oc. \$6.00 7.20

65**c**.

85c.

95**c.**

rào o (o

WITH 14 or 24 POINTS. -See note opposite.

7.80 8.40 10.20 11.40 12.60

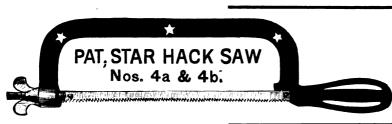
The blades in the above list are our standard goods with 14 teeth to the inch. We also make the 8, 9, 10, 11 and 12 inch blades with 24 teeth to the inch, for cutting tubing and thin sheets of metal, the prices of each kind being the same. Both have a good set. In filling orders we shall always put in the coarse blades unless the fine ones are particularly named.

PATENT STAR * HACK SAW No. 2.

Solid frame, to hold 8 inch blades only, and face them in four directions. Polished and nickel-plated. Cocobola handle.

Price, per dozen, \$8.40.





PATENT STAR ★ HACK SAW.

4A and 4B.

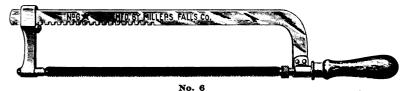
This No. 4 is a Patent Cast Iron Frame and so constructed as to face blades in four different directions. The pins which hold the blade are fast in the frame and cannot drop out. It is a very stiff and desirable frame with japan finish.

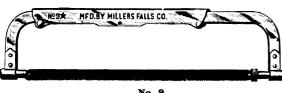
No. 4 A, for 8-inch blades, per doz., \$3 00 4 B, for 9-inch blades, 3.00

PATENT STAR * HACK SAW No. 6.

This is the stiffest frame we make. It is highly polished, heavily nickel-plated, and will face the blades in four directions. The handle is cocobola. This No. 6 Frame will hold all blades from 6 to 12 inches.

Price of No. 6 Frame, per dozen, \$12.00.





PATENT STAR * HACK SAW No. 9.

This frame holds blades from 8 to 12 inches in length. It is an extension frame covered by a steel sheath, as shown in the cut and has cocobola handles. The sheath makes it very stiff, and at the same time very light. It is polished and nickel-plated. The blades may be faced in either direction. Price, per dozen, \$12.00.

No. 9.

PATENT STAR * HACK SAW No. 10.

We offer this as the best Extension Frame in market. It is light and quickly adjusted, having strength in the middle, where strength is needed. It is made of tempered steel, polished and nickel-plated. The handles are cocobola wood, highly finished. It carries blades 6-7-8-9-10-11 and 12 inches long.

Price, per dozen, \$12.00.

MILLERS FATES CO





STAR BUTCHER SAW FRAME.

Prices of Frames Without Blades.

16 14 18 20 Per dozen. \$11.00 12.00 13.00 14.00 22 24 26 Per dozen. \$15 00 16.00 17.00



These blades are not intended to be filed These blades are not intended to be filed but to be thrown away when dull. The ordinary old-fashioned blade would need to be filed several times while doing same amount of work which a Star Blade will do before becoming dull. Use this blade and save filing expense. Can be furnished in either ½ or ¾ inch width.

Length,
Price, per dozen, \$1.08 1 08 1.20



I 20

22 1.32

I 32

26 inches. 1.44

STAR KITCHEN SAW.

STAR KITCHEN SAW.

These steel frames are polished, with beech handles. They have what most other kitchen saws do not have: an arrangement for straining the saw, which adds much to their value.

Price of 14 inch frames, with one blade, per dozen, \$4 on Price of 14 inch blades, per dozen. \$1.08.

FALLS CO, 28 Warren Street, NEW YORK. MILLERS



Sargent's Gem Food Chopper.

Actual use in many kitchens demonstrates it to be the best made and gives us grounds for so confidently advertising it and advising you to sell it to the housekeepers in your vicinity.

The Gem Food Chopper is also a first-class meat cutter that actually cuts raw meat and cooked

meat, cuts it in pieces of uniform size as desired, cuts it quickly and easily. It chops all kinds of vegetables and fruits, bread, crackers, nuts, cheese, in fact everything that has to be chopped for culinary purposes. A good article for a live dealer to sell.

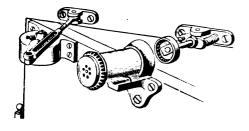
SARGENT & COMPANY, Manufacturers,

New Haven, Conn.

New York.

Philadelphia.

Boston.



Sargent's Eclipse Door Check and Spring.

A great many dealers are selling it and they find it a profitable article to handle. It is not an experiment but a practical device that stands the test of time and is noiselessly closing doors all over the world. It is simple, durable, easy to apply, easy to keep in order—all points that tell. You should be prepared to supply the demand for the Eclipse which comes with the cold weather. We will give you helps to sell it—our booklets and electrotyped advertisements are at your service. If you are not posted drop us a line and we will quote our prices.

SARGENT & COMPANY, Manufacturers,

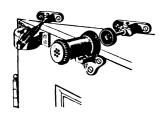
New Haven, Conn.

New York.

Philadelphia.

Goods that sell—Every ha

Eclipse time again



and you will have calls for this old reliable noiseless door closer. Sargent's Eclipse Door Check and Spring stands the test of time and use, it closes doors quickly, prevents all slam-

ming, is easy to apply and easy to keep in order. The Eclipse is a profitable article for dealers to sell to churches, schools, hotels, stores, public buildings and dwellings; now is the time to do it. Better order to-day so as to be ready for the first calls.

Door bells for all

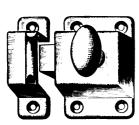


This is the Electric-Ring kind, no battery required. It is operated by the bell turn, works easily, has a loud sounding ring that can be heard all over the house.

If you want to please your customers sell them Sargent's Electric Ring Door Bells. If they do not like the one shown here we have the same style

of bell operated by push botton—looks like an electric bell, rings like an electric bell, without the annoyance of having a battery to keep in order.

A neat Cupboard Turn



This is one of a line of Cupboard Turns made of Wrought Steel and Wrought Bronze Metal. Some have Oval Knobs as shown in the cut, others are with Round Knobs and T Handles; they are furnished in

all the desirable finishes; are made well, look well, work well, wear well, sell well. Your stock is not complete if it does not contain a full line of these goods.

Good Sash Fasteners



They are strong and secure, fasten the window tight, prevent rattling of the sashes—in fact Sargent's Diamond Sash Fasteners are popular because they are so satisfactory; every dealer who wants to be up-to-

date sells them in one or more of the finishes furnished. Made in two sizes. We make in addition to the Diamond a large variety of Sash Fasteners—if one style does not suit your trade sell another but be sure it is Sargent's.

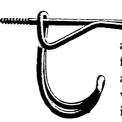


For transoms

we think our Automatic-Grip Transom Lifter is about right and we are not the only ones who think so for we sell them by the thousand. They are well made and the automatic grip permits of the transom being locked at any point.

Made with several sizes of rods and in all lengths. Suitable for transoms opening from the top or from the bottom or hinged in the centre. We make also a Double Transom Lifter for operating two transoms at the same time and a Transom Opener for operating a transom that works vertically.

Hooks that are strong



Sargent's Steel Wire Coat and Hat Hooks are strong, well braced and nicely finished. Made in three sizes, 2½, 3, and 3½ inch. Many are in use and we have to keep the machines going to keep up with the demand

but we want your orders and you can depend on it that they will sell fast. We make them of Brass Wire, too, and can also furnish a Wire Ceiling Hook that will sell just as well.

SARGENT & COMPANY, Manufacturers,

New Haven, Conn.

New York.

Philadelphia.

dware dealer should handle them.

Mince-pie time



is here and every woman who makes that great American dessert should have Sargent's Gem Food Chopper. It is a great kitchen convenience at all seasons and is useful in the preparation of the substantials as well as the desserts. It is the best Food Chopper made and has steel cutters that cannot

break. It is a good article for a hardwareman to push—every housekeeper is a possible customer—and there is a good profit for the dealer. We say more about the Gem on page 59.

Snaps are used



in your part of the country, of course; they are used in every place where horses and harnesses are used.

Sargent's Covered Spring Snaps are made in all sizes and all styles; they are strong, the springs are good, the finish is a good C plate and altogether they are Snaps that you can sell with the feeling that your customers will want more of them. We make other kinds of Snaps, too.

Rope Ties



Our Rope Horse and Cattle Ties are made of Jute Rope and Sisal Rope of different sizes and different lengths, some with one snap, others with two. We have a good line of these Ties and would be glad to quote our prices to dealers.

For the holidays



Sargent's Awls and Tools are especially suitable for holiday trade. Why not put in a line and have them on exhibition; they are first-class tools, made of the best steel and handsomely finished. We make several sizes and styles. Will give full information and prices on request.

Screw Drivers are in demand



at all seasons of the year. We

make many kinds so as to please those who want flat blades and those who want round, those who want white handles and those who want black. The steel is superior quality; they are tools that can be depended on. Made in all lengths, of course.

And Planes



We are very proud of Sargent's Wood Bottom and Iron Planes. It pleases us to turn out such satisfactory tools; the immense number

sold shows that mechanics call for them because they stand the test of actual use on the work-bench. We make these Planes of the best materials obtainable. If you want the reputation of selling the best tools sell Sargent's Planes.

Our line of Vises



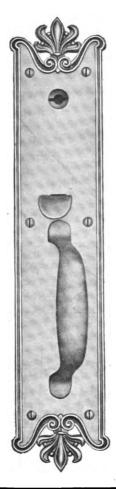
is complete and includes Oval Slide Vises, Machinists' and Filers' Parallel Vises and Saw Vises. We make many sizes. They are strong and work easily.

SARGENT & COMPANY, Manufacturers,

New Haven, Conn.

New York.

Philadelphia.

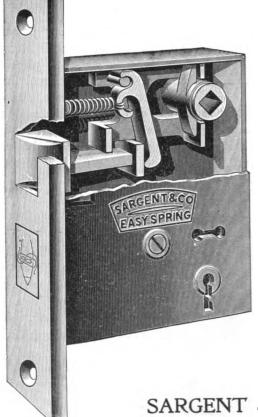


Sargent's Artistic Hardware

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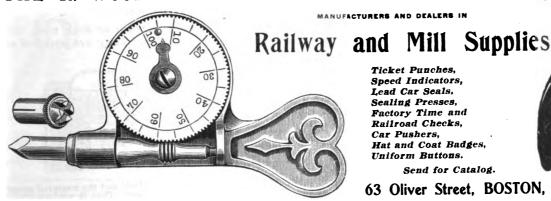
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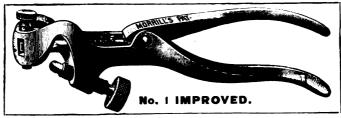
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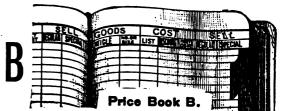
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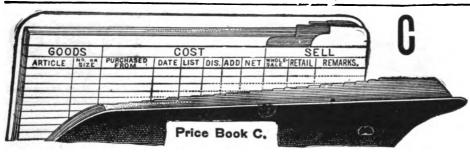
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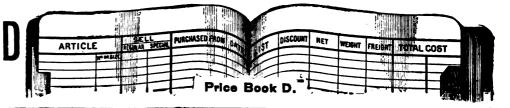
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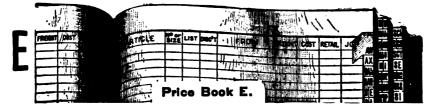


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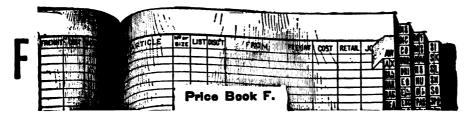
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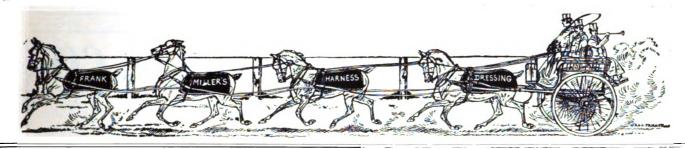
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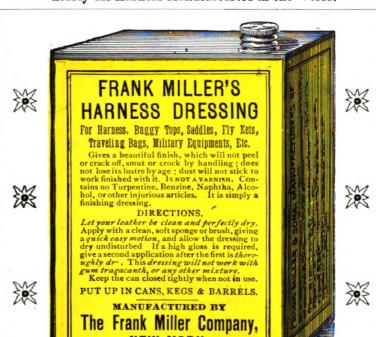


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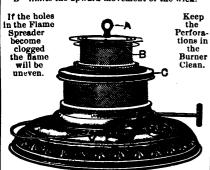
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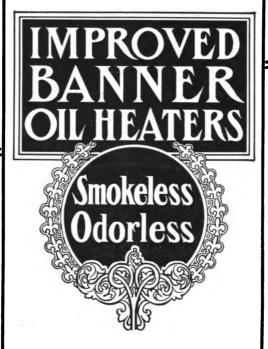


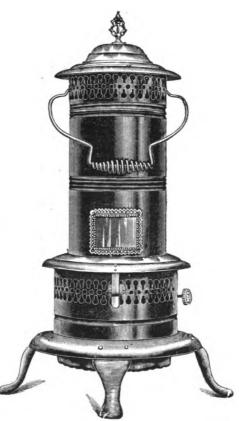
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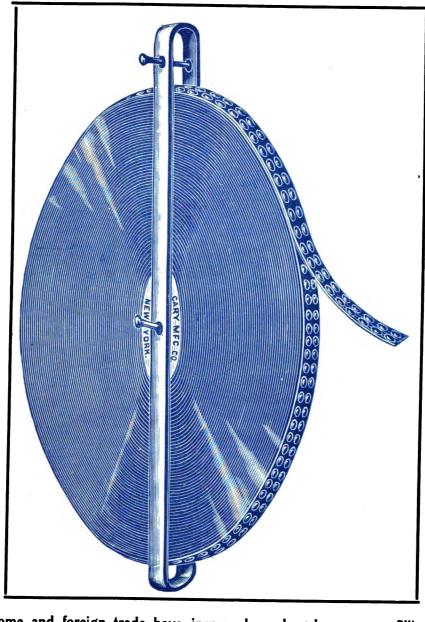
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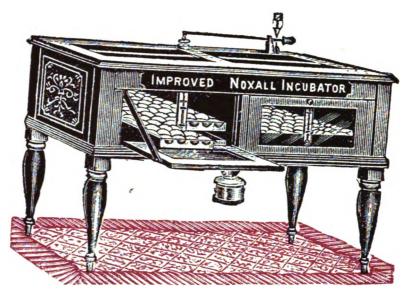
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Stoves People Use in Foreign Countries.

STRANGE COOKING AND HEATING APPLIANCES AMONG FAR-OFF PEOPLES.

The State Department has just published reports from Consular officers showing how people in all parts of the world do their cooking and heating. The information was elicited in response to inquiries from stove manufacturers about the use of stoves in foreign countries.

One of the reports deals with Algeria, where people do not use heating stoves. Cooking stoves are used only by hotels, restaurants, schools, hospitals and troops, and in the private houses of foreigners. The natives use open fireplaces. This is not because the climate is tropical, for during four months of the year heating is necessary in almost every house. The principal fuel is charcoal, coke and wood. Laundry work is never done in ordinary houses, and there are no ovens for baking bread. The bread, rolls, biscuits, and even roasts and baked fowls are supplied by the baker.

"With reference to fuel," adds Consul Kidder, "there is still another article which is extensively used everywhere for cooking. It is called 'broussailles,' and consists of the small limbs, twigs and branches of trees; in other words, brush, or whatever would go to make up the brush heap in the United States. All domestic stoves or ranges are built with what is called a 'broche,' an outside arrangement for roasting, something like a spit. It obviates the necessity for a large fire, and with a small quantity of 'broussailles' and a few coals it can be made to do most ordinary work. This arrangement has many advantages which might be considered in America, both as regards economy of fuel and quick service."

In British South Africa they use a square cooking stove, with two and four holes, a small fire pot, an oven, and a water heater on one side of the fire-pot. This last is a part of the stove and framed in it. The stoves are set up on brick work within the fireplace, the brick foundation being the full width of the fireplace and about two feet high, while on the open side of the stove the brick work is built up to the top face of the stove. The housewives do not bake their own bread, but depend on the bakers.

In Madagascar there are no stoves of any kind, and nobody wants them. Cooking is done at an open fire out of doors or in an outhouse, the clay or iron cooking utensils being placed upon tripods or Dutch ovens, and wood, grass or charcoal being used as fuel.

MOROCCO WITHOUT STOVES.

Morocco is also absolutely without stoves. There are no means of heating in that country, and cooking is done in charcoal furnaces.

Sierra Leone is less primitive in this respect than many of the other African countries. Oil stoves are popular there. The old-fashioned stove is not, because, as Consul Williams says, "cooking in this country must be accomplished with as little heat as possible." Nevertheless, it becomes cold enough in the months of July and August to make a heating apparatus necessary, and the cooking stove is then made to do double service. It is in these months that the heavy cold rains take place.

The cooking stove of the native British Indian is a fixture of the kitchen, and is built in with the building. Consul Fee at Bombay estimates that 99 per cent. of all the residential buildings and bungalows have these stoves. "The kitchen," says he, "is always in that part of the bungalow known as the servants' quarters,' and is never frequented by 'sahib' or 'mem-sahib' or members of the household, as is a common practice in England and America." The stove is built of brick, mortar and cement. It is more of a fireplace than a stove, and consists of two or three round rings on which to set pans and kettles, walled in with brick and mortar; an open space in front for a door, and a hole in the back, through which the smoke may escape into a pipe or into the kitchen.

The use of heating stoves is increasing among Chinese of the wealthier classes, and among those who have either traveled abroad or mingled with foreigners, but most Chinese houses have no heating appliances of any kind. "Even in the largest yamens," says Consul Goodnow of Shanghai, "and where the officials are old and feeble, the only artificial heat in Winter is by means of charcoal fires in open brasiers. Protection is effected against the cold by the increased quantity of clothing worn." Consul General Wildman, in his report, adds with sarcasm: "Chinese do not use iron stoves of any description, and it would take several wars like the present one to convince them of their utility."

"Sol" Berliner, our Consul in the Canary Islands, evidently had a hard time getting the information wanted. The following are extracts from his report:

"Value of Imports.—It is impossible to find out the total value of imports, as no statistics are kept.

"Duty.—There are no customs or other kinds of tariff dues. "Fuel.—The fuel used is coal, charcoal and wood, petroleum being too dear. Charcoal is most consumed."

For heating and cooking the Japanese use the "hibachi," which consists of a large earthenware bowl or wooden box, partly filled with ashes, on the top of which is placed charcoal. This fuel, when ignited, provides a slow fire of low heating qualities, which throws off a gas. "At no time pleasant," says Consul Davidson in describing this gas, "and under some conditions very dangerous." "One form of 'hibachi,'" he adds, "the top of which is partly covered by bamboo strips, is used for bed warming, being placed under the coverings. Frequent fires, sometimes accompanied by loss of life, have resulted from the overturning of these little heaters by careless sleepers. The Chinese, especially old men and females, are frequently seen strolling about in Winter with a small basket containing a charcoal fire resting inside of the garments next to the stomach. This little body stove they hold in position with one hand, which they have withdrawn from their sleeve. To a newcomer, these apparently armless wonders with protruding stomaches are, until some explanation is forthcoming, very perplexing subjects."

THE KOREAN SYSTEM.

The Koreans heat their houses by an ingenious system of flues under a stone or cement floor covered with the thick, strong, oiled paper for which the country is famous. By this means a little wood or brush serves to cook the two daily meals and at the same time to heat the floor upon which the people sit and sleep. The houses are built directly upon the ground and are of one story, and fires are kept up in Summer to prevent dampness caused by the heavy rainfall. Houses of the better class, however, are beginning to be fitted with at least one large room containing a board floor and an American heating stove.

In Australia heating stoves adapted for single rooms are used to a large extent, but central steam and hot air heating are practically unknown. "In most rooms," says Consul Gencral Hurst, "stoves of glazed tiles are set, remaining the year round, forming as much a constituent part of the dwellings as floor or ceiling, and usually of a color and decoration to suit the plan of the apartment. Not considering the point of ceramic ornamentation, it should be remembered that these tile stoves are regarded in Austria as superior to iron stoves on account of the great economy of fuel possible, not more than a quarter or a third of a bushel of coal being necessary to heat a moderately sized tile stove. Once heated, such a stove remains hot for ten or twelve hours and diffuses a mild and equable warmth."

Consul Hossfeld, at Trieste, declares that "there is in the Mediterranean countries a widespread prejudice against all artificial heat, such heat being believed to be a prolific source of ill-health and general effeminacy." In consequence of this prejudice, he says that not one house in three in Trieste can



be heated, and not more than one in six actually is heated. "Less than a quarter of a century ago," he adds, "nothing was thought of letting children suffer in cold schoolrooms." In 1898 a Trieste dealer, as an experiment, imported from Germany a few asbestos-lined stoves, built on the American plan. "Though the stove was a fine and attractive article, it met with no demand here, and the dealer has the consignment still on his hands," says the Consul.

The Belgians use stoves unlike those of other countries. Consul General Lincoln describes a Belgian stove as a simple cylinder of sheet iron, from 1½ to 3 feet high, and from 6 to 8 inches in diameter. It is placed on a plate resting upon a swinging arm fixed to the bottom of the fireplace. When it is necessary to fill the stove the arm is swung out, the stove removed, filled with a small nut coal like our anthracite, replaced on its swinging base, lighted at the top, swung in, and inclosed in the fireplace. "The cooking stoves in this Consular district," says Consul Winslow, of Liege, "are very crude, and should an American housewife be called upon to prepare an ordinary meal for two persons on one, she would declare that it was next to impossible to do it, to say nothing of baking cakes and pastry. All the bread is purchased from the baker."

Consul Thackara, at Havre, thinks that the French will never use stoves as Americans do, because the French do not like to keep their rooms very warm in Winter. Furnaces are almost unknown in private houses, flats, offices or public buildings, and steam and hot water heating have come into use only within the past two or three years. In the North of France they use cooking stoves, but in the South the cooking is done in a large open fireplace, the meats and fowls being roasted on a spit, and steaks and chops broiled over charcoal. "Marseilles residences," complains Consul Skinner, "and those of Southern France generally are provided with cavernous fireplaces, which consume large quantities of wood and send all the heat up the chimney." Consul Covert, at Lyons, says that gas ranges are coming in, but landlords never supply gas pipes to their houses, arguing that if gas pipes are placed between the walls there is no way of reaching them to stop up a leak.

STOVES NOT POPULAR IN GREECE.

The Consuls in Greece unite in declaring that the Greeks are prejudiced against heating stoves, believing that they are injurious to health. But Consul McGinley, at Athens, says that in recent years heating stoves and grates have become popular among the well-to-do classes.

The American stove is almost unknown in Russia. "Heating is done here," says Consul General Holloway, "by means of horizontal brick ovens, built in the corners of rooms, reaching from the floor to the ceiling, the outer surface being covered with glazed tile of attractive designs. Fires are built as in ordinary bake ovens, the draught being closed as soon as the fuel is consumed. The outward surface becomes a radiator and furnishes a pleasant heat that lasts twenty-four hours. A few of the more modern buildings are now heated by furnaces and steam. The walls of Russian houses are very thick. Each window has a double set of sash, the joints and cracks being hermetically sealed in the Fall and left so until late in the Spring."

Consul Bowron, at Carthagena, says that heating stoves are not used throughout the greater part of Spain, but are badly needed. "With an indoor temperature of 50 to 60 degrees F., and no fire, it is too cold to be either pleasant or healthy, and in this town I have often seen families sitting in their houses covered with wraps and shivering. The only attempt at a fire is a few pounds of spent charcoal in a brass pan, ('brasero') which will raise the temperature of a twelve-foot room about two degrees in the course of five or six hours. Further inland the ground rises and the cold is proportionately expeater. In the villages people cook over an open fire on the hearth, where they burn rosemary and other similar under-

brush, which grows wild on the mountains and uncultivated lands. This fire is kept burning all day, and the folks sit about it stirring up the embers and throwing on just sufficient fuel to keep it alight. Of course most of the heat goes up the wide chimney."

Cooking stoves are unknown and the cooking is done over little charcoal fires. Baking or roasting is out of the question. In the cities all bread is bought at the bakeries. In the villages people mostly make their own, but they take it to the bakery to be baked. "A leg of mutton or a turkey," says Mr. Bowron, "goes to the bakery, as a matter of course, and at Christmas they are numbered as they go in, and checks given for them to avoid mistakes. Cakes and pies are unknown. Hot water in quantity is almost a luxury, as it is only obtained by setting a pot or kettle of cold water over the little fire and waiting for it to heat up."

"A few years ago," adds Consul Harmony, at Corunna, "an attempt was made to introduce in Galicia oil-heating stoves of German manufacture. The results proved unsatisfactory. That anti-hygienic and absurd contrivance called 'brasero' will not be easily discarded by the great majority of this people, who stubbornly adhere to old habits and ideas." "In many parts of Spain," observes Vice Consul Reed of Madrid, "the 'stove' in general use is made from an empty petroleum oil can by cutting a hole near the bottom on one of the sides to make a draught, the can being lined with gypsum to the pleasure of the constructor, giving the fire space accordingly. I may add that the stove thus made, primitive as it is in its theory, homely and curious as it is in its appearance, is effective in purpose and costs the equivalent of but a few cents of our money."

In England open fire-places are almost the only means of heating houses, and hotels, public buildings, and office buildings are heated in the same manner. "Stoves," says Consul Boyle, at Liverpool, "are almost unknown in England." As for Ireland, heating and cooking stoves are used very extensively, according to Consul Swiney of Cork. Open grates are used in Scotland, and except in country houses one seldom sees a heating stove of the coal-burning kind. Of Mexico Consul General Barlow reports:

"If the natives desire warmth, they go into the street and wait the coming of the sun."

THE BRAZILIAN "FOGARO."

In Brazil every house has a small charcoal burning firepot called "fogaro." They are made of cast iron, and are cylindrical for about two-thirds of their height, "at which point," says Consul Furniss, at Bahia, "they flare out and become basin-shaped, forming a reservoir, the bottom of which has a small grate, upon which is built the fire." Pots and pans are placed directly on this fire. The cylindrical portion of the stove serves as a flue for draught and to catch the ashes. "As the greater part of the Brazilian's diet," says Mr. Furniss, "is either fried or boiled, with a decided preference for the latter method, these stoves serve their purpose admirably, and are much cheaper than a stove as we know it, with the added advantage that they take up less room and can readily be moved from room to room, which makes them of great convenience to those having small quarters."

In Colombia they do their cooking on a contrivance called an "anafe," a shallow iron frame of circular form, with strips across the bottom. These utensils are from ten to fourteen inches in diameter, are made of heavy hoop iron two or three inches in width, and are supported by three legs, each about nine inches in length. They cost from 1.60 to 2 pesos in Colombian paper money, or from 10 to 12½ cents in United States gold.

Uruguay shares the Mediterranean prejudice against stoves on the ground that they are unhealthful. It is believed there that heat in the house conduces to maladies of the throat and lungs, and 95 per cent. of the houses have no heating arrange-



ments. "Yet," says Consul Swalm, at Montevideo, "during the Winter season, from April to October, the dampness in the houses is far more unpleasant than crisp and snappy cold. With the frequent and heavy rains, the walls become very damp, and clothing or books must not touch them, or a mold will form. Such a condition has for one of its results an enlarged percentage of pulmonary troubles, and a death rate out of all proportion to the general salubrity of the climate."

The following is the report, in full, of Acting Consul Childs at Zanzibar:

"Zanzibar.—Referring to the instruction to prepare a report on heating and cooking stoves, I beg leave to state that stoves are never used in Zanzibar. This, I think, entirely covers the subject."

The Gambling Spirit.

The desire to get rich quickly is akin to that which wants to secure something for nothing. There is a shade of difference but the similarity is there. The merchant or mechanic sees no way to wealth or even competence excepting through the legitimate accumulations of an extended period in which the fruit of honest effort comes little by little. It is step by step, dollar by dollar, year by year that legitimate gain must come to persevering toilers in the great majority of cases. And with the uncertainty connected with all things human, very many will not accumulate money or property, though industrious, prudent and persevering.

This is a money age, a time when great commercial and financial events are common. Business is transacted on a gigantic scale. Commerce is international, taking hold of the ends of the earth. Very many men are possessed of fortunes which a generation ago would have been deemed actually fabulous. Individuals and corporations control immense interests, involving tremendous capital and affecting all parts of the civilized world. The financial kings and commercial barons of the day exercise wider and more absolute sway than many powerful monarchs of olden times possessed. Everything seems to be done on a large scale and nothing in the ordinary line is deemed worthy of attention. This is the way many view the scene, as they take a general view of the situation and try to read the signs of the times as this era will bear record in history.

The press of the present day exalts the spirit of commercialism and bestows lavish honors upon the rich and successful. Young men and women see the conspicuous ones held up before them as examples. In hundreds of instances they read how the young man starting out without a cent has accumulated millions of dollars at middle age. At the same time they frequently hear it said that no man can hope to become a millionaire through legitimate trade profits. They put this and that together and what is the logical conclusion?

Before a young men starts out in the world for himself. he has had time to study out worldly matters and business prospects in a great many ways. His speculations and anticipations are stimulated by the myriad suggestions of current happenings and revelations in the business world. He finds that some of the successful ones have paved the way to great wealth by remarkably valuable inventions, a course not open to him in his dreams. He sees many helped from the start by great inherited wealth, and cannot hope for any advancement in this way. Others seemed to have been wonderfully favored by circumstances which put special opportunities in their way at every step; but the possibility of similar good fortune seems too dim to offer them any comfort. They have concluded, long before entering upon their own active life-work, that in all the legitimate ways through which men starting poor have become rich, only a small part of the great fortunes of the day have been made. The moneymaking of the day is seen by them to come largely through the two great channels of trickery and sharp dealing with others, or the uncertain lines of miscellaneous speculation. The fresh, young mind of the honest young man naturally

shrinks from dishonesty and fraud, but speculation has not yet been shown us as necessarily evil.

The habit of gambling at cards, of winning money at the gaming table or by any game of chance whatever has readily been placed in the list of vicious practices. It has been classed with stealing pure and simple. Our laws forbid it. But what myriad forms of speculation exist in this present day, against which ordinary business men, with standing in the community, raise no voice of protest. The gold seeker, hunting for sudden fortune through mining with its risks and hazzards, stands on the boundary between legitimate toil and speculative effort, often with one foot on either side of the line. Speculators in real estate and great staple commodities come next, and the safe ground is soon left without compunctions. The modern dealing in grains, provisions and stocks is almost wholly speculative, and a vast amount of the transactions in this line are purely games of chance-properly called gambling. In this class of hasty rushing after money some of the most popular occupations of our age must be ranked. Then comes betting, where no attempt is made to disguise the game as either moral or legitimate, and these days men-and even women, too-bet on every prominent event in which results are doubtful. How strange it seems that beside the names of those who have become wealthy by such means, the papers do not mention those who have met loss, disaster and eternal ruin!

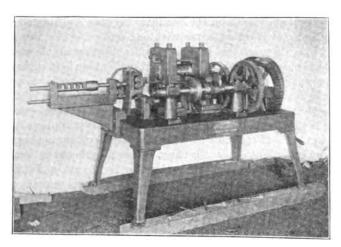
An object or event is conspicuous only as exceptional. A man is rich only by comparison, showing that the great majority are not. But if the majority are not in the walks of safe, happy living, then life is a failure. The winners of great fortunes in speculative life are the few exceptions among very many losers. He who chooses this course must know that the odds are greatly against him. There is no wise course to follow, excepting where the results may be safely counted on because of the laws of cause and effect. No one can afford to put his life into a game where only one wins where twenty fail. Look up the statistics of our large cities to see what we mean. All speculation is risky. Much speculation is gambling. Gambling is wrong, unsafe and demoralizing. Happiness and real success must be in the path of morality and in conformity to the code of written and unwritten laws, human and divine. Great riches can be possible for but the few, and it proves a blessing to but a small part of those having it. Honest endeavor, in legitimate channels, promises all the returns we should covet.-Hardware Trade.

Automatic Staple Cold Roll Pointing Machine

This is a machine for manufacturing staples with diamond, fleam, chisel or square end, taking the wire directly from the coil and producing the completed article. It is also applicable to the pointing of picture nails, flesh hooks and other long articles such as are commonly done by a blacksmith, requiring the use of heat, which greatly injures the finish, when it is required that the finished article be bright. This work can be done much more rapidly with this machine, effecting a saving of from 200 per cent. to 500 per cent. in the expense beside finishing the work in a uniform and very superior manner. The machine is also applicable to the manufacture of a variety of wire articles with the use of the proper formed tools. When using wire in the coil it is entirely automatic, its action taking the wire directly from the coil, straightening, cutting the wire into the required length and forming thereafter. The operation of the machine is as follows:

The wire is fed through the straightener shown on the left of the cut, by means of the feed rolls immediately in front thereof. A shaft parallel with the swadging rolls running across the front of the machine in standards is equipped with cams operating sliding mechanism which cuts off and forms the staples into the U shape, also with a cam on the end thereof properly timed, which operates the lever shown under the feed rolls, producing a pressure of the rolls upon

the wire, feeding it forward to the solid stop, after which the other mechanism operates. The shaft is equipped with a gear on the end thereof meshing into an intermediate shaft. The intermediate shaft and the lower roll shaft have elliptic gears thereon meshing into each other; thus by the revolution of the first mentioned shaft and proper timing of the elliptic gears the swadging rolls are run very slowly at the time of swadging, thus admitting of the increased speed of the machine over those formerly built, as the swadging limits the



AUTOMATIC STAPLE AND CHAIN COLD ROLL POINTING MACHINE.

speed of the machine. Therefore, by the use of these elliptic gears the speed of the swadging dies remaining the same as in the machine formerly used, increases the time of the straightening, cutting and forming in proportion of two to one, thus producing twice the number of articles per minute as formerly made. The roll housings are constructed with large bearings and adjustment in such a manner as to insure the least possible wear. The swadging rolls are provided with guard rings protecting the edges of the swadging dies in such a manner that when the rolls are revolving without any articles being swadged the edges thereof will not run against each other, destroying them. All the tools are easily accessible and are in plain sight during all the operations. A powerful friction brake, operated by a lever enables the machine to be quickly stopped in case of breakage of the tools, or for any other cause, the handle of which brake shows at the end of the machine. The number of articles produced per minute on this machine is from 60 to 75, depending on the size of the wire being used. The machine illustrated is built for making staples 21/2 inches long from No. 5 B. & S. gauge wire as the largest and all intermediate sizes down to 1 inch in length as illustrated. The larger size machine is provided for staples above No. 5 wire. All of the cutting and forming mechanisms are removed and replaced by the necessary hoppers and feeds when the machine is being used for the pointing or swadging of any other articles. Any information required will be cheerfully furnished by the builders of this machine, The F. B. Shuster Co., of New Haven, Conn.

The Manufacture of Paper.

The first paper manufactured in America was made at a small mill in Philadelphia in 1690, since which time the paper industry has been a feature in the manufactures of the country. The demand has grown with the development of the country, as paper is becoming more and more an indispensable commodity. The hand-made papers of early periods have given away to the more easily produced, better, and hand-somer paper of to-day. It is a noteworthy fact, however, that the principle on which paper is now manufactured is the same as that employed by the Chinese centuries ago. The demand for paper and the necessity for a good product at a low cost stimulated the inventors to activity, and the result has been the substitution of wood pulp for the paper ingredients used by the original manufacturers. In the United States wood

soon became the main factor in the paper-making business, and the article made from the fiber is in many respects equal to, and in some respects superior to, any other paper. The quality is being improved continually and the methods of manufacture being changed with a view to making the product better and less expensive.

Civilization has created new uses for paper, and what was originally a luxury has become in its improved form an absolute necessity. The habit of correspondence has multiplied with increasing rapidity under the stimulus of lower postal charges in the United States. The demand for newspapers grows daily greater, while books and pamphlets make tremendous drains on paper manufacturers' stock. These outlets alone for the paper product would keep many large plants busy. For newspapers the amount of paper used in 1900 was millions of tons. In the book business the amount consumed may be estimated from the fact that two novels published in the United States during the course of that year consumed in their manufacture 1,500,000 pounds of paper. But aside from these there are other heavy drains upon the product of the paper maker, for there is hardly a branch of trade which does not require paper in some form, and in some cases the transaction of affairs would be an impossibility without it.

The demand has brought about a rapid growth in the paper industry throughout the world. Some idea of this may be gained from the following figures: The yearly output of paper and allied products in France has grown from 42,000 tons in 1851 to 400,000 tons in 1899. In the latter year Great Britain produced about 800,000 tons and the United States put about 2,500,000 tons of its own manufacture on the market. As to the consumption of paper, statistics show that in 1873 Germany led in Europe, with 13.2 pounds per capita, followed by Belgium with 11.2 pounds, Great Britain, with 11 pounds, and France, with 7 pounds. Since then, Germany has increased to about 20 pounds per capita, while it is estimated that the United States uses 50 pounds per capita.

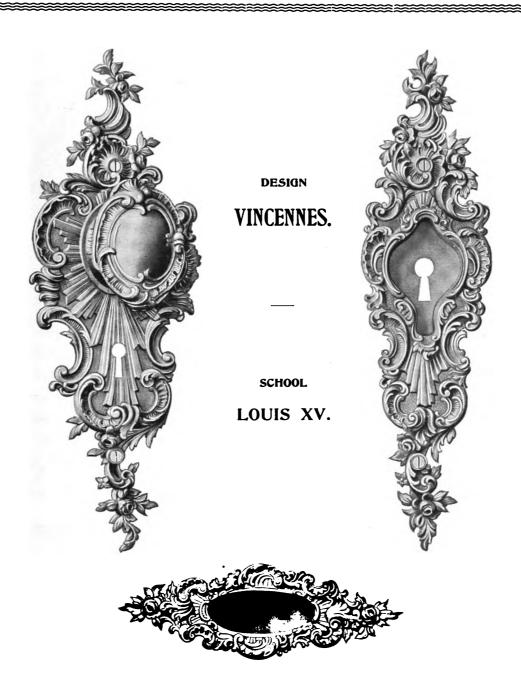
Statistics show that the United States not only consumes more paper than any other country, but that it is now reaching for the markets of the world. But a few years ago the exports of paper were insignificant, but they now attain a yearly valuation of \$6,000,000.

The manufacturers believe that within a few years the amount of wood pulp exported will reach a valuation of from \$15,000,000 to \$20,000,000 yearly. The exports of wood pulpin 1895 amounted to \$2,135,000 and grew gradually until 1899, when they were valued at \$5,477,000.

There are at present about 1,100 paper and pulp mills in the United States, and most of these plants are so arranged that they can run interchangeably on various grades of paper. The International Paper Co., which has large holdings of woodland and water power in several States and a capital stock of \$45,000,000, controls and manages thirty-six of these mills. Although the output of this concern is enormous, it holds no monopoly of the trade and has competitors in many States. One of the manufacturing concerns connected with this company has facilities for producing 10,000,000 paper bags for merchandise per day.

The steady growth of the paper-making industry, and the use of trees to furnish raw material, have caused much discussion, and it has been even urged that if the drain continues the forests of the United States will become exhausted; but manufacturers who have studied the problem maintain that the paper industry is not a menace to the forests. The industry is not only a great consumer of raw materials, but it contributes largely to the support of allied industries, which employ great numbers of laborers. It is an important factor in the transportation interests, it being estimated that this industry furnishes railroad and steamship companies about 7,500,000 tons of freight a year. It has greatly enhanced the value of water powers, has added to the value of timber lands by creating a permanent demand for wood, and it makes a market for hundreds of thousands of tons of rags and other waste which would otherwise be useless.





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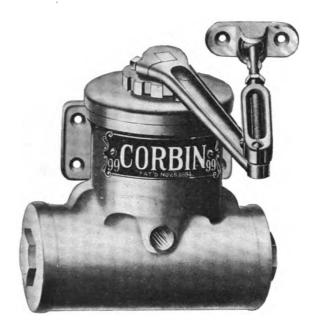
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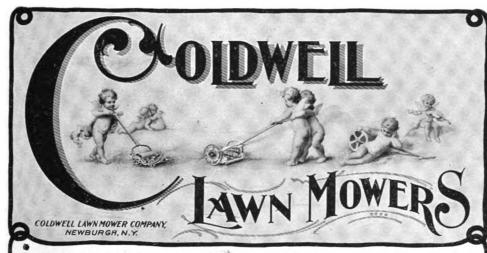
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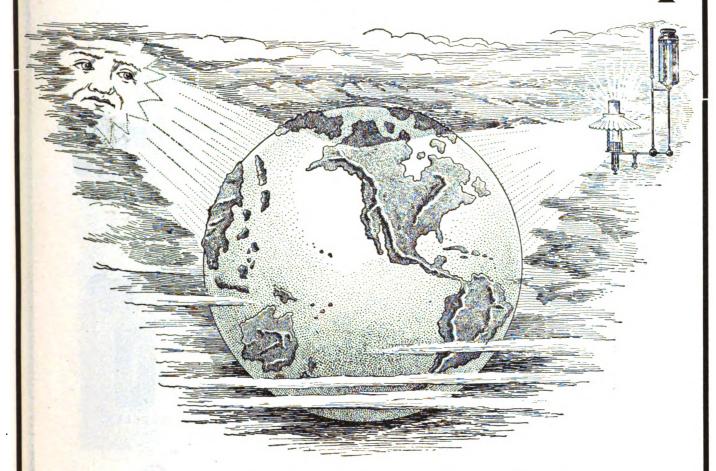
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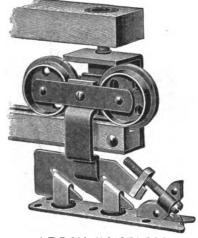
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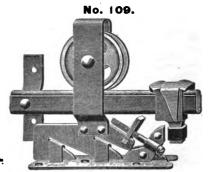
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TENNESSEE.		
C. M. McClung & CoK	noxville	
Woodruff Hardware CoK	noxville	
Orgill Brothers & Co	Memphis	
Thomas, Barnes & Miller	Iemphis	
Buford Brothers	lash v ille	
J. H. Fall & Co	Tashville	
Gray & Dudley Hardware Co	lashville	
H. G. Lipscomb & Co	ashville	
A. M. Tenison & Son	lashville	
Keith, Simmons & Co	Tashville	
TEXAS.		
F. W. Heitmann & Co		
Eikel-Breustedt Co	Waco	
Moroney Hardware Co	Dallas	
VIRGINIA.		
Barker-Jennings Hardware CoLy	nchburg	
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The W. S. Donnan Hardware CoRi		
Watkins-Cottrell CoRi		
WASHINGTON.		
Holley, Mason, Marks & Co		
Seattle Hardware Co		
Schwabacher Hardware Co	.Seattle	

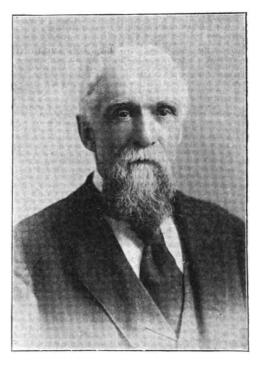


S. A. BIGELOW, OF EXECUTIVE COMMITTEE.

WEST VIRGINIA. Ott Brothers & Co	heeling	
WISCONSIN.		
John Pritzlaff Hardware Co. Mil William Frankfurth Hardware Co. Mil Frederick Kroner Hardware Co. La Gotfredson Brothers Hardware Co. Gre	waukee Crosse	
CLEVELAND MANUFACTURERS' COMMITTEE.		

S. D. Latty, Chairman,
The Kirk-Latty Mfg. Co.
E. S. Page, Vice-Chairman,
The Cleveland Wire Spring Co.
F. G. Smith, Secretary,
The Osborn Mfg. Co.
F. F. Prentiss,
The Cleveland Twist Drill Co.
A. S. Upson,
The Upson Nut Co.
C. E. Adams,
The Cleveland Hardware Co.
W. P. Champney,
The Eberhard Mfg. Co.
Lyman H. Treadway,
The Peck, Stow & Wilcox Co.
W. S. Bidle,

The Cleveland City Forge & Iron Co. A. T. De Forest, American Steel & Wire Co. N. D. Chapin, The Billings-Chapin Co. H. F. Lyman, The Upson-Walton Co. Frank W. Davis, The Lake Erie Iron Co. E. G. Buckwell, The Cleveland Twist Drill Co. Thos. P. Robins, The Cleveland Hardware Co. W. N. Bowler, The Forest City Paint & Varnish Co. R. S. Pierce, Mechanical Rubber Co. C. T. Draper, American Tin Can Co. Geo. W. Ford, The Sherwin-Williams Co. Geo. M. North, The Lamson & Sessions Co. Wm. Bates The Kirk-Latty Mfg. Co. H. W. Avery, The Avery Stamping Co.



R. A. KIRK, OF EXECUTIVE COMMITTEE.

C. C. Paine,
The H. C. Tack Co.
H. W. Caldwell,
The Cleveland Stone Co.
J. C. Brainard,
The Johnson & Jennings Co.
and
F. A. Scott,
Secretary The Cleveland Chamber of Commerce.

OPENING OF CONVENTION.

Promptly at 9:30 a. m. Wednesday, Oct. 9, the musical voice of Secretary-Treasurer Fernley was heard in the lobby of the Hotel Hollenden, Cleveland, announcing that the first session of the Seventh Annual Convention of the National Hardware Association was about to be called to order, and requested that all delegates and visitors go at once to the new auditorium of the hotel where the meetings were to be held. The auditorium was tastely decorated with the national colors and while not entirely completed, presented a very beautiful appearance.

President Shapleigh called the meeting to order with the following remarks:

PRESIDENT SHAPLEIGH'S OPENING ADDRESS.

President:

Ladies and Gentlemen and Delegates to the National Hardware Association and Friends-It gives me great pleasure to welcome you on behalf of the National Hardware Association to this convention, and the great number of delegates we have assembled here is an evidence to us that the prime object of our association, which is to create better feelings toward each other and with the manufacturers, has proven a success and is being taken advantage of. Another pleasant feature of these gatherings is, that men from all quarters of the United States meet here to renew the pleasant friendships that have been formed at these meetings in years past. Here, in the city of Cleveland, seven years ago, our shell was formed, and it is pleasant again to meet here after we have arrived at our full strength and vigor. We appreciate very much indeed, the hearty welcome that the manufacturers of Cleveland are giving us, and we thank them very much for it.

Rev. S. P. Sprecher, of the Euclid Avenue Presbyterian Church, asked Divine guidance in the deliberations of the convention, after which one verse of "America" was sung, all present lending voice to that grand old national anthem.

Mayor Tom L. Johnson being unavoidably absent from the city, his place on the programme was taken by Rev. H. R. Cooley, director of charities of the city of Cleveland, who tendered the freedom of the city in the following well chosen

REV. MR. COOLEY'S SPEECH.

Mr. President, Ladies and Gentlemen and Delegates to the National Hardware Association—I regret very much that our Mayor is unable to be present. He is not in the city this morning to welcome you on behalf of our city to the freedom and to all the courtesies which it is possible for us to extend to such a national organization.

I was pleased this morning to see the good fellowship and the good will among men who are supposed from some standpoint to be opposed to each other. It certainly is a good thing to get together, to exchange experiences, to "swap" stories and thus to get new ones, to compare methods and ways and plans in a spirit of general good will and fellowship, in a great business. We hardly appreciate the advance which has been made. In a visit to the Northwest, I found, in the early stages of that great Hudson Bay Co., it took seven years to make an exchange sometimes, seven years from the time the goods went out of London, before they came back to London. Take the Oriental countries and see the rude methods of the trade in the great bazaars, how the Turk sits within reach of all his goods, and then pass into one of our great wholesale houses. We realize how far we have gone in the advance, and toward this great administration of human affairs. It is this body and their work which has made possible our great civilization—the gathering of the people. We sometimes look at the engine and the railroads and the steamships. We go through a great store and say what a wonderful store it is, but we forget the men who run the things they produce, men who have gathered together these materials, men who have classified them and organized the great service, and so we are glad to welcome you to our fair city, though not as beautiful as in June, for Cleveland wears her choicest dress in June.

It is certainly very fitting that you should come back to the city of your birth. We are glad to see your great growth. It speaks well for the future, and we trust that your stay may be a profitable one. We know it will be for us. Sometimes, when we receive guests into our homes, and they depart after we have entertained them, we feel that we have received a great blessing; and that is what I think will come to us, to this municipality, after extending to you our hospitality. We are sure that we will be richer in enterprise and in thrift than before you came. And so, in behalf of our Mayor, I

am very glad to bid you welcome to our city.

Charles L. Pack, President of the Cleveland Chamber of Commerce, extended a cordial welcome to the city of Cleveland to the delegates, as follows:

ADDRESS OF CHARLES L. PACK.

I tender you the cordial greetings of the business interests of Cleveland. We welcome you gentlemen to Cleveland, and we are glad that your great organization meets in our city. The National Hardware Association has the respect of the whole country. Your Association is great because there is inherent in it something that makes men energetic.

Trade organizations are of ancient origin. You are young in years, but you have a large element of that aristocracy of merit—the only true aristocracy in this country.

I can tell you nothing about Hardware, for I am a wooden man. I am not going to try, but I can assure you that we know you are doing a great work for the manufactures and commerce of this broad land. Your goods are sold at home and abroad. I am sure you believe in the great policy of reciprocity which was so ably advocated by that great, heroic man—the friend of the manufacturer and artisan—we have so recently lost, William McKinley.

I hope the day is near at hand when we may see your

American Hardware loaded in American ships sailing under

Old Glory to every part of the world.

We rejoice that we are to see you all later at the Chamber of Commerce. May the great success of your meeting in Cleveland symbolize your constant prosperity for ever and

Mr. Pack was followed by S. D. Latty, of the Kirk-Latty Mfg. Co., who, as chairman of the Committee of Cleveland Manufacturers, welcomed this important body of jobbers to the hospitalities of the city.

ADDRESS OF S. D. LATTY.

Mr. President, Members of the National Hardware Jobbers' Association, Ladies and Gentlemen-It is with peculiar pleas ure that I extend to you on behalf of the Cleveland manufacturers a most hearty and cordial welcome.

Some seven years ago your Association was born at Cleveland, and I think that I voice the sentiment of all Cleveland manufacturers when I say that we feel as a parent toward

your organization.

We take a peculiar interest in your Association, and I hope the result of legislation at your meetings for the holding of future conventions will be that we shall see you in Cleveland more frequently within the next seven years than we have in those that have just past.

I wish to take advantage of this opportunity to make the

following announcements:

The time designated for our drive to-morrow, Thursday, has been changed from 2 o'clock to 1:45, standard time, and I wish to urge upon everybody the importance of being on hand promptly at the time designated, 1:45.

I would also request that the ladies adjourn to the parlors on the second floor of this hotel just prior to roll call for the purpose of meeting the Local Manufacturers' Ladies' Recep-

tion Committee.

I would also state that we have been obliged to change the hour of the smoker this evening from 8 o'clock to 8:30, standard time.

I would also state that those who have not already secured badges and tickets for the several entertainments, we would like to have them do so at the earliest opportunity. These may be procured at the desk in the lobby of this hotel, the manufacturers' headquarters.

In closing I again wish to extend a hearty and cordial welcome, and I hope the result of your meetings while in sessions here will be eminently beneficial to the Hardware job-

bing interest in general.

The fraternal delegates representing the Canadian Wholesale Hardware Association, were then introduced, consisting of William Starke, of Howden, Starke & Co., Montreal, President; Thomas B. Lee, of Rice, Lewis & Co., Ltd., Toronto, Vice-President, and James Hardy, of Jenkins & Hardy, Toronto, Secretary-Treasurer. The chairman, Mr. Starke, held the attention of the convention in a short address, as follows:

ADDRESS OF W. STARKE, PRESIDENT OF THE CANADIAN WHOLE-SALE HARDWARE ASSOCIATION.

Mr. President, Ladies and Gentlemen-It is with the great est pleasure that I am here in Cleveland with you as one of the delegates from the Canadian Wholesale Hardware Association, at this, your Seventh Annual Convention, and I wish on behalf of our Association, to tender its sincere thanks for the many kindnesses extended to members personally and to the Association in general since its organization, which organization was inspired largely by the reports and the continued satisfactory working of the National Hardware Asso-

It was my great privilege to attend your last annual convention in the historic city of Richmond, Virginia, and I assure you that our delegation gained considerable valuable information from the discussions entered into, and appreciated

to the fullest extent your kind hospitality on that occasion.

Our Association regretted exceedingly not having had the opportunity of reciprocating, to some extent at least, on the occasion of its last annual meeting, held in Toronto, on September 13th. Believe me it would have given our members



great pleasure to have had your genial secretary, Mr. Fernley (who honored us with his presence at our second annual convention held in the city of Quebec, in 1900), and any other delegates who might have accompanied him. I again extend the invitation to you to appoint delegates to attend our next annual meeting, and trust it will be convenient for them to

be present.

We have had in Canada three successive prosperous years in the Hardware trade—this year evidently being the banner one—and I believe this condition is not restricted to Hardware, but is general and extends beyond our borders. Trade has been and is good; prices are well maintained; the jobbers are working harmoniously in their own circles, and the manufacturers, I think, are realizing more and more that the proper channel through which to distribute their product is through the natural one, viz., the jobbers. Concessions in the matter of manufacturers confining more closely their sales to the jobber, and also increases of differentials have been obtained on many items during the present year.

Our lumbering, dairying, fisheries and manufacturing interests have been very active and with the good, I might say abnormal, crops (especially in the Northwest), demands are created which falls to the lot of the jobber to satisfy; and further, collections are good and very few failures are noted. I am pleased to note that these satisfactory conditions appear also to exist in your country, especially so in the Hardware and metal branches of industry. Long may it last!



JOHN C. KOCH, OF EXECUTIVE COMMITTEE.

Since the last convention in Richmond, our countries have each sustained a great national loss, viz., the death of our beloved Queen Victoria, and your honored and respected President, William McKinley. The sympathy of each nation at these times proved once more that the Anglo-Saxon race, even if divided on territorial lines, is one great family.

Gentlemen, in conclusion, let me thank you for the kind invitation which enables me to attend this convention.

James Hardy, Secretary-Treasurer of the Canadian Wholesale Hardware Association, next addressed the meeting.

Mr. President, Ladies and Gentlemen—It affords me great pleasure to be amongst you once more, and I am sure that I can only rehearse the words of another speaker of the benefits we have all received from our attendance at your various conventions.

I regret that Mr. Lee, the Vice-President of our association is not present here to-day, but hope that he will be here in time for the banquet on Friday. Our association in Canada is not as large as yours, but we are making very satisfactory progress. We have one advantage, we think, over you here—namely, that whilst we are not so large, we are, by that reason, enabled to make arrangements with the manufacturers and also amongst ourselves as to selling prices. We have done considerable in that way, and I think every effort we have so far made, has tended very considerably toward the enhanced profit of the jobber. We realize also, that nothing can be

done without co-operation, and I think from this point, I cannot add anything more than just to read to you the few words that our retiring President gives in his address, which are as follows:

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"As each year passes, I am more strongly impressed with the necessity of co-operation. We are mutually dependent on one another. Nearly all of the benefits which come from our civilization, come because of a concerted action and united effort. We cannot in trade matters help others without helping ourselves; if we remain royal to one in the value of our organization, in times of depression, it will be incalculable."

I do not think there is any need of laying any further stress upon that. There is no doubt that co-operation for all parties is of great benefit. I am sorry on behalf of myself that I will not have the advantage of remaining over to take part in and hear the discussions, as the city from which I come, Toronto, will be honored to-morrow and Friday by the presence of the Duke and Duchess of York. It is a good thing for young men like myself to be at home at such a time. I am sorry that I could not carry out the wishes of Mr. McIntosh when he wrote: "Bring them with you. We are sure they will have a good time." I know something about the Duke and Duchess. I am sure they would only be too pleased to have you come, and no doubt you would have a good time with them. On behalf of myself and the organization for which I appear, I am much obliged.

The hearty applause which followed the addresses of both



W. R. BELKNAP, OF EXECUTIVE COMMITTEE.

Canadian gentlemen spoke volumes of the brotherly feeling existing between these two countries.

The roll of delegates which was then called, showed an attendance of over 150.

On motion of H. H. Bishop, of the Advisory Board, the reading of the minutes of the last convention was dispensed with.

President Shapleigh was then given a pleasant surprise when H. B. Lupton, of the Oliver Iron and Steel Co., Pittsburgh, stepped forward and with a few appropriate remarks presented him with a beautiful gavel of ivory and gold—a gift of the visiting manufacturers.

J. H. Van Newkirk, of the Russell & Erwin Mfg. Co., was elected unanimously as general secretary of the convention, and C. A. Jewett, of the Geo. Worthington Co., was elected railroad secretary.

President Shapleigh calling Second Vice-President Brace Hayden to the chair, addressed the convention as follows:

THE PRESIDENT'S ANNUAL ADDRESS.

Gentlemen of the National Hardware Association of the United States:

The seventh annual convention of the National Hardware

Association finds our organization in excellent condition, full of vigor and life, and ready to carry on the good work so successfully executed in the past.

It is

A SUBJECT FOR INTENSE GRATIFICATION

and pride to all of us, that not for one year, or for any time, has the Association retrograded in the least; founded in conservativeness and wisdom, officered by broad-minded and intelligent men, it has steadily pressed onward toward its goal of usefulness, and is to-day recognized as the model organiza-tion of its kind in the United States.

Thanks are due to all the members who have by their steadfastness and co-operation, aided in bringing this splendid condition to pass. Let us also not forget to thank our friends, the manufacturers, who by their recognition of the worthiness of our motives, and by their aid and counsel, have made effective many of the reforms inaugurated by us, and enabled us, in a large measure, to attain our present high standing.

We do thank them and we welcome them most cordially to our gatherings; their presence here is the indication of their interest in us, which is no less than our interest in themmutual interest must be the password between us.

We meet this year in the beautiful city of Cleveland,

THE BIRTHPLACE OF OUR ORGANIZATION.

the Premier City of the interesting State of Ohio, a State famous in many ways, but in no way so endeared to our hearts as in being the birthplace and home of our martyred chief, William McKinley. May the sweet influence of his broad charity and noble character pervade all our deliberations.

It is not necessary to review the growth and work of the Association; its tribulations and trials, its many discouragements and its sometimes failures; suffice it to say that we stand to-day a great power in the Hardware world, and as great power entails great responsibilities, let us see to it that we use our influence always in a just and proper manner.

THE YEAR 1901.

Since our last gathering in the hospitable City of Richmond, we have passed through a year of prosperity; prices of raw material and also of manufactured goods have remained firm and in many cases advanced, so that the value of stocks of goods to-day is somewhat more than that of a year ago. There has been no flurried or undue excitement in values; trade as a rule has been strong and steady, and conditions now seem very bright, except in the few drought stricken sec-

tions, to whom we extend our sympathy.

This is a pleasant retrospect, but let us not forget that the reverse of this lovely picture is bound to come sooner or later; then we must prove our true worth.

IT IS EASY TO BE GOOD WHEN TIMES ARE PROSPEROUS,

but when trade is dull and values are tumbling down, we are too prone to let all hold go, and add to demoralization by adopting a policy of "Every man for himself." Our association is a strong bulwark against a panicky market if properly used, and if the members work in unison.

THE GIGANTIC CORPORATIONS

which are so omnipotent now, will in times of rapidly declining values, have it in their power to protect the innocent handlers of their wares, by using their vast influence against sudden and radical declines in price. We hope they will avail themselves of this great opportunity, and prove that they can become a strong power for good to the community.

THE OUTLOOK.

The fact that values have not been unduly inflated and that a wise conservatism governed the large combinations of capital, in not pushing prices to too high a level, gives a rosy hue to the business outlook for the future.

Let us also be conservative, let us be loyal to the Association, giving strength to its official actions by a hearty and unanimous support; thus we will benefit ourselves and our neighbors.

BENEFITS OF THE ASSOCIATION.

The work of the National Hardware Association is of a negative and positive kind, and the former although not seen and scarcely heard of, is of as much importance as the latter.

All members become acquainted with the positive acts of the Association, such as when the Secretary has succeeded in establishing a proper differential in price, etc., but very few indeed are aware of the many times how, when some abuse is about to be introduced that would rob the jobber of a previous one or two per cent. of net profit, the officers of the Association, by prompt and wise action, have succeeded in having it abandoned. It is, therefore, our duty to be active and interested members, to correspond freely with the Secretary and President, and to increase the general efficiency in every way possible. Let us all think of how much worse off we would be if there was no National Hardware Association, and each of us renew our loyalty to it.

The activity and usefulness of local and sectional Jobbers' Associations seem to be waning; this is a matter of serious moment and of deep regret. The National organization cannot possibly take their place, and we urge the rehabilitation of those already in existence and the formation of others wherever possible. This has been urged in former reports; it cannot be too strongly pressed and we hope the members will take quick and decided action.

The inactivity in jobbing associations is in sharp contrast to the fine activity in retail associations; we congratulate those retailers who have joined their State organizations, and those State associations who have joined the National Retail Association. We have the kindliest feeling for these organizations; we are all working to the same end, the elimination of the abuses in the Hardware business, and a

"HIGH STANDARD OF BUSINESS METHODS."

They are our friends; we must be theirs. They are one of the strongest links in the chain of proper distribution of goods from the maker to the user; we should therefore each help the other and work together, as far as possible for the common good.

It is gratifying to note that the National Government has made some reform in the postal department by more stringent rules governing second-class matter. I, however, recommend that the resolution passed a year ago, in reference to penny postage, be reiterated, and if passed, that a copy thereof be sent to each Senator and Congressman.

Since our last Convention we have lost by death more than the usual number of our friends and associates. It is the one mournful thought at our gathering, that we shall see their friendly faces no more on this earth, and it is with sorsowful hearts that we now pay our tribute of respect and esteem to the memory of our members who have been called to the great beyond during the year. I will ask the delegates to arise while their names are read:

John S. Lindsay, Vice-President of the James C. Lindsay Hardware Co., Pittsburgh, Pa. Died November 23, 1900.

Hardware Co., Pittsburgh, Pa. Died November 23, 1900.
Cartwright Eustis, Secretary-Treasurer of the A. Baldwin Co., Limited, New Orleans, La. Died December 2, 1900.
Frank Shapleigh, Vice-President of the A. F. Shapleigh Hardware Co., St. Louis, Mo. Died January 1, 1901.
William E. Gibbins, Woodruff Hardware Co., Knoxville, Tenn. Died January 3, 1901.
William D. Supplee. Treasurer of the Supplee Hardware Co., Philadelphia, Pa. Died January 24, 1901.
H. W. Palmer, Treasurer of the Palmer Hardware Co., Savannah, Ga. Died February 8.
Charles Fox Tay, President of the George H. Tay Co., and President of the Pacific Coast Hardware and Metal Associa-

President of the Pacific Coast Hardware and Metal Association, San Francisco, Cal.

W. M. Wyeth, President of the Wyeth Hardware and Mfg. Co., St. Joseph, Mo. Died March 8.

John D. Seeberger, Des Moines, Ia. Died April 19, 1901. Hermann Bahlman, Kruse-Bahlman Co., Cincinnati, O. Died May 12, 1901.

Daniel Curtis Holder, senior member of the firm of Holder

& Herrick, Boston, Mass. Died February 23, 1901.

Harry L. Houghton, Houghton, Clark & Co., Portland, Me.

Died April 20, 1901, while on his way to Jamaica.

Joseph Eikel, Eikel-Breustedt Co., Waco, Tex. Died June
22, 1901.

"THEY HAVE PASSED TO THEIR REWARD."

We are fortunate in having with us delegates from the

CANADIAN WHOLESALE HARDWARE ASSOCIATION;

we extend to them a most cordial welcome and hope they will participate in all our sessions, and discuss with perfect freedom all matters in which they may be interested.

The report of the Secretary-Treasurer will give the mem-

bers the detailed information regarding the work of the Association for the past year, and the report of the Executive Committee will outline the future policy and work; the latter report, as outlaying the scope of the Association's usefulness for the coming year, is of great interest to all. I trust it will be very carefully and thoughtfully considered.

In conclusion I cannot refrain from expressing the regret I feel that Mr. Bindley should have found it necessary to resign, after completing almost two years of splendid work for the Association, and leaving in my unworthy hands the honor of presiding over this important meeting.

Mr. Bindley's administration has always been conservative, wise and energetic, and under his far-seeing guidance we have prospered splendidly. I am sure I voice the sentiments of all, in extending to him our hearty thanks and appreciation of his services.

Every President of the Association has always been wonderfully aided and supported by the uniformly prompt and intelligent co-operation of the Executive Committee with both their time and counsel; I return them sincere thanks.

The Secretary-Treasurer has as ever been the right man in the right place, and his intelligent and active work has been a large factor in our success. May his shadow never grow less.

Mr. Shapleigh's address was well received and was interrupted many times by hearty applause.

Secretary-Treasurer Fernley, in his usual happy style, read his annual report.

THE SECRETARY-TREASURER'S REPORT.

In presenting this, my Seventh Annual Report as Secretary-Treasurer of this organization, I do not propose to inflict upon you a very lengthy report of the doings of the Executive branch of your Association, deeming such a course unnecessary, because of our system of keeping the membership constantly informed as to the work of the organization as it progresses during the year. We find, in looking over our files, that we have addressed the members of our Association, on an average of two and a half (2½) times a week, since our last Convention, and these communications show in detail what has been accomplished.

Our work, as you know, is divided into two (2) classes: First, internal. By this, we allude to the efforts which are

J. D. MOORE, OF EXECUTIVE COMMITTEE.

put forth to induce members of our Association, first, to learn TO REGARD ONE ANOTHER AS HONORABLE MEN;

second, to have introduced into the conduct of the individual businesses represented by our membership, such business methods as will cause the machinery of trade to move with the least friction; third, to use the influence of the organization to the end that manufacturers may find it agreeable and profitable to distribute their goods through proper channels.

The second character of work is that among manufacturers. Under this head, anything which is germane to the object set forth in our By-Laws—namely, "the promotion of more friendly business relations and mutual confidence with manufacturers," has our daily thought.

We are particularly pleased to report that many

MANUFACTURERS ARE DRAWING NEARER AND NEARER TO THEIR JOBBING CUSTOMERS,

realizing that this is by far the most economical method of distributing goods.

During the past year, the "seed" which had been "sown" during previous six years, has gradually ripened, and it may truly be said that the jobbing trade is "reaping the harvest." While a few manufacturers will occasionally violate proper trade ethics by making prices to those not entitled to the same, which are not in harmony with the policy of our Association, even to some extent interfering with the legitimate retail merchant, and offering goods to consumers, yet complaints regarding action of this kind on the part of the manu-

facturers are fortunately fewer than in any previous year. There is scarcely a day that we do not receive a number of letters from manufacturers either operating singly, or through associations, inquiring as to the character of business conducted by certain applicants for prices.

We believe that there is no more

IMPORTANT FIELD FOR OUR OPERATIONS

than this, and that in pursuing a policy of fairness, justice and liberality, we are serving not only the interests of our own members, but also the interests of legitimate retail merchants.

The names presented by these manufacturers are not always those of reputable retailers, but in a great number of cases, parties who are pursuing methods of distributing goods which are inimical to the interests of the retail merchant. We allude particularly to certain concerns who make a point of supplying the consumer, and to those engaged in the department store and catalogue house business. If the principle of

SELLING GOODS THROUGH THESE CATALOGUE HOUSES is a correct one, then there is no excuse for the existence of a jobbing or retail house. But, we take the stand that there is no excuse for the existence of catalogue houses; that they are not a proper avenue of distribution. We think that substantial proof of this lies in the fact that there are only a few catalogue houses in the United States, that several who attempted the business have been forced to retire.



EX-PRESIDENT WM. W. SUPPLEE, OF ADVISORY BOARD.

We strongly urge our members to leave no opportunity which presents itself pass without making a strenuous effort to educate the general public (particularly the manufacturer), along the lines of the policy of our Association—namely, that

THE NATURAL CHANNEL THROUGH WHICH GOODS SHOULD PASS,

is from the manufacturer to the jobber, from the jobber to the retailer, and from the retailer to the consumer.

We would also call the attention of our members to the importance of urging manufacturers of Hardware and kindred lines to recognize the Hardware jobber as the proper distributer, and *not* complicate conditions by attempting to reach the wholesale grocer and woodenware dealer.

PRINTED QUOTATIONS.

Several times during the year, our attention has been called to the system adopted by some manufacturers of notifying their trade on postal cards and other printed communications, of changes in prices. These are very liable to fall into the hands of consumers. In each instance, we have entered a protest and after explaining to these parties the harmful effect of this method, we have received assurances that it would be avoided in the future.

It is well that the members of the Association shall continually impress upon manufacturers the importance of refraining from notifying their trade of changes in prices by this method.



During the early part of the year, our attention was called to extremely low prices made on several seasonable lines of goods by leading jobbing houses, and while as an organization we studiously refrain from entering into price agreements, yet it is our policy, and has been, to use our moral influence on the members of the Association, to maintain manufacturers' established prices; hence, we called this matter to your attention.

MEMBERSHIP.

Our membership shows a slight increase over last year.

RELATIONS WITH RETAIL ASSOCIATIONS.

During the past year we have been made to realize to what a marked extent our Association has benefited the retail

The writer remembers quite vividly the misgivings expressed by some, who, when first approached regarding membership in this Association, hesitated to unite with us, fearing that the retail merchant might look upon our organization as a trust, and he also recalls that some parties at-tempted to make use of the fact that they were not con-nected with any "trade organization." All of these facts nected with any "trade organization." All of these facts were vividly recalled on March 11th of this year, when, by appointment, we met the representatives of

THE INTERSTATE RETAIL HARDWARE DEALERS' ASSOCIATION,

which organization is now known as the National Retail Hardware Dealers' Association of the United States. On this occasion we called the attention of the representatives of this Association to extracts from the reports of our proceedings during the previous six years, showing them to what extent we had been endeavoring to influence, not only our own members, but also manufacturers, to the end that

THE RETAIL MERCHANT SHOULD BE PROTECTED IN HIS ENDEAVORS TO RETAIN THE TRADE OF THE CONSUMER.

and to do this on a basis which would yield him a proper The gentlemen whom we met did not look upon our organization as a trust, but were much gratified to know that they had such a strong arm of defense upon which to rely. A few days afterwards, at a meeting of the Retail Hardware Dealers' Association of a Western State, the president of that association, in his annual address, said:

"Another fact I want to emphasize is that the National Hardware Association, as such, have a keen appreciation of the evils that threaten us, and stand ready to-day to throw the whole power of their organization to assist any reasonable plan we may propose to correct the evils that confront us. Either from within their ranks or without. Remember, there are six prominent jobbers in the United States whose transgressions must not be charged up against the National Association or its members. The one hundred and eightyfive members of this Association stand ready to correct the real abuses they are guilty of when we show them they are in the wrong. We must not only prepare ourselves to do this, but must give them reasonable time to correct the abuses after they are recognized."

We commend the National Retail Hardware Dealers of the United States and the retail Hardware associations of the various States to the consideration of the retail merchant. These organizations are officered by men of ability, and we feel that many of the difficulties which are confronting the retail merchant can be remedied through them.

LOCAL AND SECTIONAL ASSOCIATION

During the year it has been the pleasure of your Secretary-Treasurer, in the performance of his duty, to induce the formation of such organizations wherever possible.

Early in the year we organized the jobbers of the city of Savannah into an association, and at a later date organized the Pennsylvania Wholesale Hardware and Supply Association, which latter organization bids fair to have a very useful

It has also been our pleasure to attend, wherever possible, the meetings of these sectional and local associations. have also kept in constant correspondence with the secretaries of the same, aiding them with such suggestions as have occurred to us from time to time.

We are pleased to report that at the present time the following associations are in existence and most of them in active operation:

The Southern Hardware Jobbers' Association.

The Pacific Coast Hardware and Metal Association. The New England Iron and Hardware Association.

The New York State Association of Hardware Jobbers. The Missouri Valley Hardware Jobbers' Association.

The Texas Hardware Jobbers' Association.

The Hardware Merchants and Manufacturers' Association of Philadelphia.

The Pennsylvania Wholesale Hardware and Supply Association.

The Cleveland Hardware Jobbers' Association. The Nashville Hardware Jobbers' Association.

We again call the attention of local and sectional organizations to the importance of having some one employed whose duty it shall be to look after the interests of the organization. We feel that where these organizations lack in success, it is because they do not have statedly employed a salaried secretary.

PREMIUM FOR ANTICIPATED PAYMENTS.

This is a subject which has been prominently before us ever since July of 1899, at which time the American Steel and Wire Company abolished what had been known as the cash discount, but what we more properly called a "premium for anticipated payment." The action of the concern alluded to was followed by a large number of manufacturers, who felt that if one representative concern could insist on terms of net cash, without any "premium," they also could take the same position.

You will remember that after one year's trial on the part of the corporation mentioned, they deemed it wise to meet the views of the committee of our Association having this subject in charge, and restore, first, 1 per cent. of which they had taken, and a few months afterwards the entire 2 per cent. This forward action on their part was quite speedily followed by a large number of other manufacturers.

This question was considered as practically settled; we gave wide circulation to the resolution which was passed in

the Pittsburgh Convention in 1899, which reads as follows: "Resolved, That it is the sense of the National Hardware Association that the discount, 2 per cent. for cash 10 days, formerly given by the manufacturers of steel and iron goods, be not construed as bank interest, but as a premium for prompt payment and as an insurance or protection of credits, and further that such or similar discount be retained where still allowed, and that we urge its restoration where it has been discontinued."

Unfortunately, during the past year we have found a few other manufacturers constrained to experiment with this dangerous expedient of increasing their profits, and, as the members of our Association know, we have speedily taken up the subject with the manufacturers, as well as with the individual concerns in our organization, and have convinced, in almost every instance, the offending parties that it was to their interest to meet our views. Sincerely hope that our members will stand as a unit on this question.

The taking away of this premium for anticipated pay-

ment in every case means a reduction of our profits. Jobbing houses are compelled to concede 2 per cent. for anticipated payment to their customers, and it would be a hardship to the retail buyers of the country if the jobbers were compelled, through the action of manufacturers, to sell goods on terms of net cash.

TRUE COST.

You will remember that at the Richmond Convention of our Association in 1900, considerable time was devoted to the discussion of this question. We are pleased to report that some of our members have put this plan into operation, but regret that we cannot report its general adoption.

It is useless at this time to go into any discussion as to the merits of the plan; these points have been very fully covered. We hope that during the approaching year, an additional number of our members will adopt the system of adding to the factory cost of goods a proper percentage to cover the expense of distribution, before arriving at the 'true" cost.

On August 6th, the gentleman whom you had elected as president of the Association at the last Convention, and who had served this Association so acceptably as president during the previous year, resigned from the presidency, owing to the fact that certain private interests demanded his attention. The relations which existed between Mr. Bindley and your Secretary-Treasurer made the parting sad, but the fact that you had provided for such a contingency by electing to the First Vice-Presidency the gentleman who is now President of the Association—Mr. Richard W. Shapleigh—revealed the "silver lining in the cloud."

The present chief administrative officer of our Association is the fourth under whom I have had the pleasure of serving. Presidents resign; Presidents retire; but the writer has not felt constrained to do either, feeling more in love with the work of the Association than ever. It is but



fitting that due acknowledgment should be made of the continued confidence which has been bestowed by the members of our Association, as well as by manufacturers, on one who is so unworthy.

It is our earnest wish that through our organization, the distribution of Hardware will become more pleasant and profitable, and that those who have such almost inseparable individuality of interest with us, shall also continue to feel that this organization is of great benefit to them. Thus may we hope to reach the *ultima thule* of our ambition.

As is always the case, Secretary Fernley was received with much applause on the part of those present.

After the adoption of the report a number of very interesting addresses were made on the subject of "How Can Manufacturers of Hardware and Kindred Lines Most Economically Distribute Their Products?"

Hon. D. H. Goodell, Ex-Governor of New Hampshire and President of the Goodell Co., Antrim, N. H., spoke as he always does in a manner which occasioned frequent ripples of merriment and applause. He said:

Gentlemen: Mr. President, and Gentlemen of the National Hardware Association—I come from the Granite State, where the rocks are more prominent, perhaps, than anything else, and I received a title which the gentleman has seen fit to give me, from our people, which some people think is a great thing; but, when we remember that among those rocks we haven't got as many people as you have here in the city of Cleveland, why you can realize it is a pretty small thing! We



EX-PRESIDENT II. II. BISHOP, OF ADVISORY BOARD.

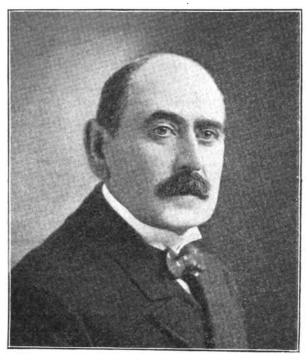
do sometimes send out from our Granite State some men whom we think are of considerable importance, but the State is so small that whenever we raise a man of great importance he bursts his shell like a chicken, and leaves the State—it can't hold him. When we have a Daniel Webster, or a Lewis Cass, or a Chandler, or a Salmon P. Chase, or a Henry Wilson, or a Ben Butler, or a Horace Greeley, they leave us little fellows and carry on the same sort of business. (Laughter.) We sometimes feel as though it were a great responsibility (Laughter) and consequently when we do get any positions there, we think they are of some consequence, and yet some of my neighbors are so mean as to come right to me and say that it does not take much of a man to be Governor of New Hampshire. (Laughter.) If we look to the great State of New York, where a man is named for Governor, or to the State of Ohio, or possibly Missouri, or even to the City of New York for Mayor, or the City of Cleveland, why, we are looking for men who are suddenly pronounced as men for the Presidency. But in all the one hundred and twenty-five years last past, they have not sent up to New Hampshire for but one President, and I do not think that there is any sign of their sending more.

The question is: How the Hardware manufacturers and manufacturers of kindred things shall best distribute their goods, and so I guess I must be a little on that subject rather than discant further on these great things. (Laughter.)

than discant further on these great things. (Laughter.)

I do not know of any way for a manufacturer to succeed unless the manufacturer gets and sells them. I never was able as a manufacturer, to make any money on goods that I didn't sell, and I do not know of any way of a manufacturer producing any goods if he is going around and selling them to his neighbors and friends. He has got to get on to a larger

basis, and do a larger business if he is going to amount to much in the manufacturing world. Why, the great wheat raisers of Minnesota and the corn producers of Iowa, and the peach growers of Georgia can hardly dispose of their products to the retail trade. If you think for a moment, you will realize it is one of the impossibilities—they have got to produce their goods, they have got to produce their manufactures and they have got to sell them to somebody who makes a business of selling such things and who has got large, convenient and excellent privileges and opportunities for doing it. They must sell to some party who has a great elevator and can handle the goods with the least possible expense. They must be transported through these great railroads and other methods of transportation by the government, direction and management of men, who are acquainted with transportation, and then they must be sold in a way that will reduce the price of the goods to a minimum to the consumer and give the producer the maximum price he can possibly get. There is no other way that I have discovered for these men to dispose of their goods than just the methods they are using. these men think, after all, that they are injured, that their business is liable to be destroyed by the great trusts and the great organizations, and great railroad corporations, and all that sort of thing. Now, I tell you, my friends, here, that I am not an advocate of trusts, but I am here to stand before you and to declare that were it not for the great railroad organizations, the great business organizations that we have



EX-PRESIDENT JOHN BINDLEY, OF ADVISORY BOARD.

in this country, we never could have attained to this wonderful eminence as manufacturers and producers in the world that we have. (Applause.) There must be organizations; organizations must be of a large character; they must be upon a broad platform; they must be of a nature that will do things and do them well; they must be managed by men, men of character, ability and honesty. They will secure such men. The demand for great men, young men, who have ability, who have honesty, who have integrity and who are sober in their lives and in their habits, never was so great as it is today. We hear that the trusts organized in this country are liable to ruin the country. My friends, fear not! This great and glorious nation of ours, stands pre-eminently before the world as the leading nation of all countries, and as to progress in this line, we are practically and absolutely, in my judgment, sure to stand still more prominently than we have ever done before.

Now, I advise you, as members of this organization, to maintain this organization; to make it better and more effective than ever before; to make it a clearing-house between manufacturer and jobber, so that we can understand each other better than ever before. I notice that the Secretary is large in some respects (Laughter), still larger because of the information that he is able to obtain from you and the information that he is able to obtain from the manufacturers, and the information that he is able to obtain from the manufacturers of other countries, so that he can be able to instruct on both sides and let the manufacturers and the merchants and

the jobbers be working in harmony in carrying on this great work which we have.

I contend, and my business life has proven it, that the only successful way that a manufacturer can enlarge his business and become great in the eyes of the people and the nation, is by using men to distribute his goods, who understand that business. No man can do all things. A manufacturer has the detail of a manufacturer; he must understand the cost of the goods that he purchases for the product of his manufacturers; he must understand the various methods of producing; he must be a man who is capable of reducing the cost to the minimum, but in doing this, being an investor, as he must be to a large extent, cannot be able to decide his mind and make himself a great merchant. Therefore, he must employ you and men like you who give your thought and time, your attention and ability to the direction of distributing goods to the best advantage. In that way he can make a success, and in my judgment, in no other. There have been a few, and very few, notable cases of manufacturers who have sold their goods direct to the people. They have been, in a few cases, successful, but the number is so exceedingly small that it seems as though the very facts that exist were suffi-cient to prove the position I have taken. The Douglas Shoe Co. has sold shoes at retail, having fifty, sixty or seventy stores in different parts of the country, and have sold their shoes by mail and that sort of thing, and yet, I understand, they made a great success. A few others have been successful on that line, but the number has been so exceedingly small that they have been hardly worth considering. Now, then, the relations between the manufacturers and merchant or jobber should be exceedingly cordial. I do not know that this is the word to use. I am sure that the manufacturer and merchant are co-partners, that their interests are so nearly alike that they should sell with each other and together, not as "tricksters," as sometimes is done, not as though the manufacturer intended to deceive and wrong his customer, not as if the merchant were to break down the manufacturer, for it is of interest to the manufacturer that the merchant should succeed; if not, he can't pay his bills and pay good prices for his goods. It is to the interest of the merchant that the manufacturer should succeed; if not, he cannot produce good goods, such as his customers require, and, therefore, the interests of both parties are identical to a great degree. They ought to be made so, and it seems to me that this organization is likely to render assistance in this direction very largely indeed. Now, there are several things that I might speak of. My speech is a random one.

My business affairs have been successful to a certain extent, not largely so, but so far as I have as a manufacturer attained success, it has been through working on this line. But I was greatly discouraged when I first began to travel to sell my own goods to the jobbing trade, when I was told by many people—perhaps not many, but some—of whom I felt sure I would secure an order for the apple-parers I was making, that it was the "best machine I ever saw; I have never seen anything like it; I am exceedingly pleased with that." Well, I thought I had an order, but pretty soon he would say: "My dear sir, I would be glad to buy this machine, but I never had any calls for it." Of course, you have not; it is the first time I have shown it on this trip, and you are not going to buy or sell this machine, though you say it is the very best in the country, and have seen all the others on exhibition, simply because the people don't call for it? I thought I would speak of it to-day in order that I might show to you that the manufacturers sometimes have discouragements. Why, my dear gentlemen, if you find that somebody presents to you something that, in your judgment, is better than anything else that you have seen of that character, and you immediately go to work and assist the manufacturer in the production and selling of those goods, and your neighbor will sell them as soon as the people are educated and call for them, don't you see that you have a great advantage on your neighbor if you have something good? It seems to me that it is the business and duty of the manufacturer to produce good things and it is the privilege, I reckon, for the merchant to introduce and sell those good things. (Applause.) In those former days I met one of you gentlemen; I think probably you are here in this audience. It was that time when I produced these goods that I refer to, and I said to you, when I returned from my first trip I made in this country thirty-four years ago, that I believed there was a power behind the throne greater than the throne itself, and that we have got to get at that power. He said: "What do you mean?" I said: "We must advertise these things in the newspapers to the people and make the people demand that the retailers should sell these things and, therefore, demand and call for these goods from the wholesaler." (Applause.) And, gentlemen, he said next Summer that it was the best advertising thing done and the most useful. I refer to this case; it is one of those things we have to discourage us. But if we get together and talk about these things, understanding these things, and know where we are on all sides, it will be a great advantage to the manufacturer and merchant and will elevate our business in this country so greatly that we shall by and by be called the manufacturing country of the world, and shall be able not only to produce and sell goods in this country, but also sell them to all parts of the earth. I thank you, gentlemen. (Applause.)

Following Ex-Governor Goodell a very able address was made by William Bates, sales manager of the Kirk-Latty Mfg. Co. Mr. Bates is a young man, but showed a complete mastery of his subject. His address was as follows:

There may easily be several things in the economical distribution of Hardware and kindred lines which the manufacturer of to-day, in his haste to build up a large and rapidly increasing business, will overlook. The temptation to market his product through every available channel is one that is not easily withstood, and in a good many cases may not prove to be the most economical course to pursue.

The manufacturer who has built up a large business but is satisfied to have his product flow to the consumer through a few large channels, finds himself in an unenviable position if through any means one of these large outflow channels is cut off, for he has to build his bridges all over again at considerable cost. I would therefore say to the manufacturer who would distribute his product most economically, spare no pains in the choice of the path that will carry it most directly to the consumer, and see to it that this path is paved at the start so that it will stand the wear and tear of time.

"One cannot grow figs from thistles." Therefore, if the

"One cannot grow figs from thistles." Therefore, if the manufacturer would distribute his product economically he must determine what jobbers cater most directly to the consumer of the particular product he manufactures, and devote most of his time and energy to cultivating the trade, respect and confidence of those jobbers.

SUPERIOR QUALITY OF GOODS.

This can only be done by first manufacturing a line of product that is second to none, something that the manufacturer can stand behind always and will not be ashamed of at any time.

This is done by the employment of skilled labor, the paying of fair wages and the careful supervision of the product as it passes through its several operations in the mill.

Second, I would say to manufacturers, put up your product in nice, attractive packages, neatly papered or boxed and labeled. This is a very large factor in the economical distribution of a manufacturer's product, as the buyer will send repeat orders by mail for the goods that are put up so, and these mail orders, pro rated against the orders which cost him traveling expenses and other incidentals to secure, reduce the total expenses of distributing his product, and therefore, as I said, are a great factor in the most economical way that a manufacturer can distribute his product. Good judgment must be used in the employment of representatives; there is no economy in employing cheap salesmen.

COMPETENT SALESMEN.

A great many buyers never see the manufacturer himself, and he is only known to the buyer through the salesman and the quality of goods he manufactures. It is therefore necessary that the salesman be dignified and intelligent, and of strict integrity. Through possession of these virtues in a salesman orders are often secured to the manufacturer in preference to his competitors, who manufacture just as good a product, but whose representative does not, and never will, command the respect and confidence of the buyer. Cheap salesmen are very often, in fact, I might say always, weakkneed, and are susceptible of being worked by a shrewd buyer who understands his business and recognizes in the salesman this element of weakness. There is surely no economy in em-ploying the services of such a representative because they can be secured for a few hundred dollars a year less than the man who is thoroughly conversant with his particular line of business, and who can uphold the dignity of his position and command the respect, confidence and personal esteem of the buyer by his integrity and bearing. "By their deeds ye shall know them." Salesmen, command the respect of your customer if you would assist your employer in the economical distribution of his product.

The intelligent handling of correspondence materially assists in the economical distribution of a manufacturer's product.



The perfection the card index system has reached to-day enables a manufacturer to economically keep track of his customers and salesmen, and to solicit his customers' orders at the right time to secure them. This system also classifies his trade, and if applied rightly to his particular line of manufacture and faithfully followed up is also a very important factor in assisting the manufacturer to economically distribute his product. And so I might go on and tell you several more things that experience has taught me as an answer to this particular question, but time will not permit. There are other gentlemen present here who are anxious to tell you their views on this subject, and so for them I will solicit your earnest attention.

It seems to me that every manufacturer must recognize that the originating customer for his product is the consumer. He may be a blacksmith, a carpenter, a farmer, a man who is building a house, or an article may be made for which the demand originates in the kitchen, the dining room, the parlor, or any other part of the home, but no matter what the article may be the consumer originates the demand. The manufacturer then must consider how to place his product in the hands of the originating customer.

The maker can create a demand, but he cannot sell direct from his factory to the consumer, but must use some channel, and this brings us to consider the retail dealer, and we find



C. L. PACK, PRESIDENT CLEVELAND CHAMBER OF COMMERCE.

him well organized for the purpose. The retail dealer is part of a large class of honest, straightforward men. He must buy carefully and meet obligations in a satisfactory manner. He must deal honestly with his customers, and as a rule he knows every member of nearly every family in his territory. His desire is to sell the highest grade of article, and if he feels obliged to sell inferior goods he does so with an apology, and I have noticed that the dealer who sells the goods of highest merit is the one who owns his home and whose daughter has a piano and whose son a carriage, or the money is in the bank. A manufacturer has many problems to solve, and not the least is the placing of his wares into the hands of the consumer through the retail dealers of the country; and while he must consider the first cost of doing this he must also consider whether the method he selects is one that will tend to a permanent demand.

Can the manufacturer sell his product to the retail dealer direct from the maker's office? He certainly cannot—he must have a representation. There is no class of merchant in this country that stands higher in the business world than the Hardware jobber. His business is well organized, he has ample capital and fills the needs of the smaller dealers throughout the country. No class of business can be developed as the Hardware jobbing concerns have been without there being a legitimate demand for same.

There are four important factors to the jobbing concern: The buyer, the traveling man, the retail dealer and the manufacturer. It has been my privilege a good many times to take a chair at a Hardware buyer's desk, and I have long realized that his position is one of importance, and as a class, I wish to state here, they are uniformly courteous and obliging. Sharp and shrewd, of course, but they will always listen to a story that a manufacturer may have to tell. They are posted, too, and can distinguish as to the shades of value of goods offered them. The manufacturer may often be led into deals that he may afterward regret, but why blame the buyer? The keynote to the whole situation is here, and when the buyer and maker both realize that each has his part to do, an ideal affiliation is brought about and each will be a source of strength to the other and goods will be placed in the hands of the retailer, through the jobber, at lowest possible selling cost.

The traveling man should not be forgotten—that genial, wholesouled, well posted man of the road; up early in the morning and late at night—but, of course, always on account of business. How well he knows every man and boy in every establishment that he visits, and how he wins the heart of the dealer. He laughs at the cold of Winter and the heart or Summer, and will even smile when he doesn't get an order, which is not often, and he is the great factor between jobber and dealer and the manufacturer and dealer.

The Hardware maker is bound to fall into some errors, and if his business is not well organized, or if he makes inferior goods, or if he pursues unbusinesslike methods in his



S. D. LATTY, CHAIRMAN CLEVELAND MANUFACTURERS' COMMITTEE.

works, or in his office, or with his trade, verily he will be like the grass of the field.

Personally I am a firm believer that the manufacturer of small goods can distribute his product to better advantage through the jobber than by any other method, for the reason that his traveling man is in close touch with the dealer and the jobber's selling expense is reduced to a minimum because of the large variety of articles that he has to offer; besides his study is to sell goods to the immediate factor between the jobber and consumer.

General W. H. Withington, from his years of experience as President of the Withington & Cooley Mfg. Co., in selling goods to the Hardware trade, was able to give a very interesting history of the different ways in which goods have been distributed in this country.

Mr. President and Gentlemen of the National Hardware Jobbers' Association—I certainly esteem it a high honor to be asked to participate in any portion of the deliberations which come before your annual convention. When the gentleman who has just preceded me, Mr. Powell, spoke of your organization as one of the highest character, and of great ability, I felt like applauding that sentence, but, of course, you gentlemen are too modest to stamp the applause and I could not make it. But it cannot be otherwise. You yourselves must be conscious that it was a deserved—I won't say compliment—but a deserved statement of facts. I know of no branch of business in these United States which has accrued to itself greater ability, higher integrity, and a larger capa-

city for the handling of great affairs than those who compose Ten days ago or more, the trade the Hardware business. papers began writing me for an advance copy of my address. Now, when your amiable and handsome and resourceful Secretary went through the dictionary to find a word which would most completely express the sort of thing that you put up here, he set up the word "collocution," and he has liked it so well that he has kept it going ever since. I do not think that there should be very much of a formal address, but rather a discussion, a colloquial affair, and that is all that I have undertaken to bring out, and I think perhaps if he went a little farther and if you put us on the witness stand, and asked of us questions, it would help to bring out the best judgment and the best light on this matter of distribution, and it would promote its object still more. But it is certainly very kind of your association to give the manufacturers an opportunity of discussion of a question which touches them so gravely and it also concerns the jobbers, because after we have talked this matter up and down and in and out, and discussed it and discussed it, we shall find no escape from the conclusion that the most economical way for the manufacturer to distribute his products is through you, gentlemen.

This matter of distribution, gentlemen, is one involving vast interests and vast sums of money. I noted in a transcript from the advanced pages of *Poor's Manual*, recently published, a statement of the freight earnings of this country during the year nineteen hundred, and they reached the enormous sum of one billion, fifty-two million, eight hundred and thirty-five thousand, eight hundred and eleven dollars, that, I think, also included Canada. Think of it, for one year's earnings, for the transportation of freight alone—not the other earnings, I do not know any method of determining what proportion of these earnings applies to the distribution of the product. Of course a large portion applies to the gathering in of the material and also transportation of wheat and live stock, but there must be a great many hundreds of millions of dollars that have been paid during 1900 for the transportation of the products of the manufacturer to the other channels of distribution. Now, if you add to that sum the expenses and the earnings of the jobber and to that sum the expenses and the earnings of the retailer-if there are any means of doing it, I have none—you can form your computations as well as not. You can see that it would reach an enormous sum of money and that is no light question.

I noticed a question in *Iron Age* recently, from a correspondent who said that his cost of doing business was 14 per cent. As to what your costs and profits are as jobbers, you know better than I, but it presents a question so large, and represents an amount of money so large that I think it would be almost appalling if it were stated.

The methods of distribution—I must make my remarks as brief as possible. I trust the chairman, if it be a ten minute limit, will call me down when my time is up.

The limits of distribution—those which have been, those which are, and those which may be. And it is from a practical point alone that I am able to discuss this question. do not do it theoretically. I have been with it from my youth up. My business connection was with the North Wayne Scythe Co., having its office in Maine. Mr. Bigelow's early partner, Mr. MacInaw, and myself began life at the same time in that city. At the age of nineteen I visited, in the interests of this firm, New York, Philadelphia and Baltimore, to make an attempt to sell goods, though I was very green. I became associated with the predecessors of the present concern with which I am now connected. They were manufacturing hoes and forks and their methods of distribution at that time were to travel the country. Where now the business employ salesmen as such, they then employed six salesmen with a comparatively small product—traveling in 1857-62, not by rail, but in a horse and buggy, visiting the Hardware trade and taking orders in advance for these goods. That is all changed. What changed it? In my judgment, one of the most important factors in bringing about a change in the distribution—I won't say general, for I have not sufficient knowledge, but so far as the lines with which I am acquainted, the greatest factor in making the change which brought about the distribution of these goods to the jobber, was the Civil War. Under the extraordinary and abnormal conditions which then prevailed, there soon began to be a shortage of goods, a shortage of labor, and the men then engaged in jobbing Hardware were small in capital and the percentage of business at that same time by men-able menmen with foresight, was shown by those who grasped the situation, and this happened year after year. During the later years of the war, the products of the factories were contracted,

absorbed and controlled by the jobber before the retailer could think of placing an order for it. That cut a very important figure so far as the business interests with which I am connected are concerned, for transferring this business from the retailer direct to the hands of the jobber. It was going through a process of reduction. In those days any man who was smart and keen enough to buy a stock of goods, even if the retailer, could sell them to his neighbor in three or four weeks on the advance of prices, and as a consequence there were built up in small towns a great number of jobbers. has been going through a process with which you are all familiar—a process of reduction. "To him who hath more miliar—a process of reduction. "To him who hath more shall be given, and to him who hath little, even that little shall be taken away." Methods of distribution as they now shall be taken away." Methods of distribution as they now exist: On that point I shall dwell but very briefly. I can tell you nothing new. It is to-day the apotheosis of the jobber. He has been growing constantly in importance and in the absorption of the product of the manufacturers. The participations which have been going on, and which have been referred to, and the consolidations and concentrations have largely played into his hands. The consolidations, the associations, fixing the prices, and naturally desiring to placate the jobber and secure good will, have offered to him margins, and the relations between the manufacturer and the jobber have been growing closer through just such functions as these, and from the committees of associations, among them. the committees of our associations, arranging plans for the distribution of goods.

The question, however, as it is presented, is rather one of futurity than of the present. It is not simply how it is done, but how can it be done? And yet, we are brought somewhat face to face with the question as to whether the present conditions will continue, and why not? What is to make against them? The Secretary in his paper alluded to one of the things that make against them to some extent, and that is the department stores and catalogue houses. I do not bring that question here, it has already been brought up and it has been somewhat of a burning question with the retailers particularly. If we look at the question which I touched on at the outset as to the large cost of distribution, we must recognize that there is a very heavy percentage added to the prime cost to the manufacturer's cost for product in order to land goods in the hands of the consumer and these conditions continue. So far as they are normal and economical, I should say yes, but if the cost of the consumer and over cost of production is abnormally large, the loss of trade will work to its reduction, and under conditions of competition this reduction would work out with a change of margins, but without change of methods. There are, of course, a good many conditions which are abnormal and there are a great many possibilities which occur. These large consolidations of manufacturers' interests leave the imagination or the forecast almost at sea as to the extent to which they may alternately go. If, as up to the present time, they control and absorb the profits, not only of manufacture, but of the mind and of the transportation company, it is easily conceivable that they may go still further and seek to aggregate to themselves not only the profits originating in the prime costs of material, but they may go still further and seek to aggregate themselves the cost of the products in marketing the goods. I suggest that only as a possibility. I do not regard it as a very strong one. If you look to the ideas of putting things more and more in governmental hands which exist in other countries-you see the existence of the post-office department which, to some extent, manufactures its own products and sells the postal card to a ragged urchin for as cheap a price as it would sell ten thousand or more to you and me-you will find that it is certain among the possibilities; put the two things together, the catalogue house and department store, the parcel-post organization, which is limited in this country, but which does exist in foreign countries, and add to that the free rural delivery by which the farmer can sit in his house and make an order for goods and have them delivered him-there are certain possibilities of a distribution which will come directly from the manufacturer to the consumer. The rapid use of electric lines would aid that. I admit to you, gentlemen, that is very remote and not probably within my day, although things move very fast. But it is among the possible contingencies to be taken into account and possibly you may have some occasion to take some action or use some influence in the matter of legislation in the direction of parcel post. I can only say that actions speak louder than words, and that the method which the business interests with which I have been associated, is the method now in existence through the well established channels from the manufacturer to the jobber and from the jobber to the retailer.

The vice-president of the Garry Iron and Steel Co., G. E. Needham, made a very interesting speech on the means of distributing steel roofing, conductor pipe, etc. He spoke as

The subject you have assigned to me for discussion is "How Can Manufacturers of Hardware and Kindred Lines Most Economically Distribute Their Products?"

In considering this question and giving my views, it seems to me that some light may be obtained by relating my experiences along these lines for over 30 years, and they may be of some interest, if not amusement, to the members of this convention.

It is said that "Experience is a good schoolmaster." think in my case this saying has been verified. My experience was not along the lines of Hardware, but kindred lines—viz.: Iron and Steel Roofing, Sidings, Ceilings, Conductor Pipe, Eaves Trough, &c. Our company, the Garry Iron and Steel Roofing Co., were among the first to commence this business, and may be considered the pioneer manufacturers of the above named material, therefore it became my business to market our products. The question came to my mind, "What will be the best and most economical way to dispose of them?" Metal Sheets were well known, but not for roofing purposes; it therefore became necessary to educate the public to their practical use for purposes designed, and who should be the schoolmaster? Knowing the ability of jobbers for this work, I sought to make arrangements with them for this purpose. They kindly and gently informed me that a demand for them must first be created before they would or could do anything with them. These were the old school jobbers, doing business on the slow motive power, hence the demand had to be created, which was done through other sources; the consumer, the tinner and the retailer. The demand did come and came in enormous proportions, as evidenced by the thousands of tons of sheet metal that are used for these products yearly at the present time. The demands have been made, conditions for handling manufactured product are changed, thusiness is being done on the high pressure and rapid transit principle. Now the question arises, "What is the cheapest, quickest and most practical way of marketing our goods?" The demand has been created—now the demand is, "What is the best and most feasible way of taking care of this demand?"

LOOKING THE FIELD OVER

I am satisfied that this problem can be solved through the agency of the jobber. When we take into consideration their ways and means and their willingness, providing we give them the money end of the business, to handle our products, we, as manufacturers, are forced to admit that the proper solution of the question is in favor of the jobber.

With their great army of traveling salesmen, composed of men of brains, business ability, tact and energy, going into every city, town and hamlet, daily and almost hourly, the jobber has pre-eminently the advantage over any other system that at this time presents itself to my mind for selling

and distributing goods.

I think I am within the bounds of truth when I say that your association is the largest and most influential, representing the largest amount of capital of any commercial or-ganization in the country. I am in favor of association of this character, for it enlarges men's views by interchange of thoughts and ideas, destroys petty jealousies and lifts men on a higher plane of business principles, establishing harmony among the members and securing the confidence of your customers and the good will of the public.

In conclusion, I wish to say that a closer and more harmonious business relationship should exist between the manufacturer and the jobber. Their relations should be placed on the base of live and let live, in perfect harmony and justice, on the universal brotherhood of man, and founded on the eternal principle of "Doing unto others as you would have others do unto you."

He was followed by C. S. Van Wagoner, President of the Van Wagoner Co., Cleveland.

Economy is one of the leading factors in the success of We believe that a liberal economy, so to any business. speak, saves the most money and gets the best results. A manufacturing concern that is honest all the way through. honest in its goods and in its dealings, and which also has good will that is hearty and genuine, has an advantage and a power in its favor that will in time establish strong and mutually valuable relations with jobbers of like character, and keep a flow of its goods through them to the consumer at a minimum outlay.

Fewer salesmen and less traveling expense, ruinous concessions to buy unstable trade and various other items of cost are saved if a manufacturer has secured a trade that is easily handled. Instead of rushing around the country to get the whole earth, if he will select as many substantial and favorably located jobbing houses as is reasonable without inviting attacks on his trade from his rivals, and will cultivate favorable relations with them, he will get his proportion what the market takes at the highest average price and with the greatest economy.

We therefore repeat that the most economical way for a manufacturer to market his product is to cultivate close relations with the jobbers best suited to place his goods, and if he has to buy his trade let him do it with fair dealing, good will and concessions that will not break his own mar-

Geo. V. Willson, Secretary-Treasurer of Hussey, Binns & Co., Pittsburgh, closed the collocution with the following well-chosen remarks:

I hesitate to speak to you upon a subject of such importance, the real answer to which determines whether the middleman is essential as the distributer between the manufac-turer and consumer. I cannot expect to present new ideas and only hope to emphasize some which have already been considered in the past.

It would seem to me that under ideal conditions there can be but one answer to the question, and that the manufacturer of Hardware and kindred lines can most economically dis-

tribute his product by the aid of the jobber.

I say ideal conditions, meaning that almost millenium-like time, when the manufacturer is satisfied to market his goods through the hands of the dealer, and maintains a proper distinction in price between the jobber, retailer and consumer; when the jobber is so in fact, and not alone in name, and does not take advantage of the prices obtained as a jobber to destroy the market of his customer, the retailer, whom he ought to protect; when he lives up to the spirit of your organization, "the promotion of more friendly business relations and mutual confidence and good will with each other and with manufacturers," and when the retailer is content to act as the final distributer of the goods and is willing to recognize that the jobber is entitled to a lower price than himself.

THE COST OF DISTRIBUTION IS NOT THE ONLY QUESTION

affecting the relations between the jobber and the manufac-The time was, not so many years since, when the private brands of dealers were practically unknown and the manufacturer had a just pride in the reputation of his goods and an inducement to maintain the quality of his various brands. In these degenerate days, however, every dealer, large or small, must have his private brands and labels, and, instead of being the agent for the distribution of the goods, poses both as manufacturer and distributer. The real manufacturer, therefore, in order to retain his identity, is compelled to seek the retailers or large consumers, who prefer high grade goods of the manufacturer's own brands, hence mere cost of distribution becomes a secondary consideration with him.

The manufacturers and jobbers are necessarily dependent upon each other, and, realizing that fact, should treat each other in the spirit of mutual kindness and good will.

I have, as a member of an association of manufacturers, with which you are familiar, had the privilege of coming in contact with various committees representing your organization quite often during the past five years, and while we have not always been able to agree upon certain lines of policy, and have had occasion to change our views upon important points during that time, still I wish to express my appreciation of the almost universal spirit of fairness which has prevailed.

THE JOBBERS' PROFIT.

The manufacturers desire to aid the jobbers in every reasonable way, for it would only be good business policy to do so. We try to protect you to that reasonable margin of profit to which you are entitled, and encourage you in every way to obtain it, for at no time is our business so satisfactory as when our friends are obtaining proper compensation for distributing our goods.

There is one point which I would like to impress upon you right here, and which so many seem to overlook-namely, that the proper place for the jobber to look for his profit is from his customer, and not from the manufacturer. It is hard enough for the latter to make his own profit, to say nothing of also making a profit for you.

I have strayed somewhat from the subject, but in doing so

have endeavored to indicate some of the reasons why the manufacturer feels compelled at times to also act as the distributer of his own goods, even although it is not the most economical way.

Let us try to get closer together, realizing that although "shrewd business," as it is improperly called, may seem to prosper at times, still it is better to give the old-fashioned definition to honesty instead of the "business" definition which sometimes prevails.

Following the collocution was the executive session of metal dealers, which took place after the morning session of the convention, the members of the concerns dealing in tin plate and metals meeting for a brief conference.

WEDNESDAY AFTERNOON SESSION,

which convened at 2:30, was entirely executive, and consisted principally of the reports of the following committees:

Report of Executive Committee.

Report of Membership Committee.

Report of Grievance Committee.
Report of Fraternal Relations Committee.

Report of Press Committee.

Report of Transportation Committee.

Report of Entertainment Committee. Report of Metal Committee.

Report of Heavy Hardware Committee.

This was succeeded by a discussion upon

THE TRUE METHOD OF COMPUTING COST.

LADIES RECEPTION AT COLONIAL CLUB.

Wednesday afternoon at 4 o'clock the visiting ladies escorted by a committee of twenty-five Cleveland ladies were taken in carriages to the Colonial Club, where they were tendered a reception and supper.

WEDNESDAY EVENING SMOKER.

At 8:30 the delegates and guests assembled in the spacious "Palm Room," on the second floor, and entered into the enjoyment of the annual smoker.

The committee in charge of the arrangements for the smoker were as follows: Wm. Bates, chairman; F. W. Davis, Geo. M. North, J. C. Brainerd, J. Williams, Geo. H. Lloyd, C. C. Paine, H. W. Caldwell.

The large room was soon crowded to its utmost capacity with as jolly a lot of fellows as one could wish to meet.

An excellent programme was rendered, many of the songs being sung by the entire gathering. Great enthusiasm prevailed during the playing of "Dixie" by the orchestra, and when they rendered the "Star Spangled Banner," all present rose to their feet and the air seemed filled with waving hand-

kerchiefs while the cheers made the windows rattle.

It was suggested that "God Save the Queen" be sung, and everyone went at it with a vim. A number of flags of Great Britain had been passed around the room and during the singing of our neighbors' national anthem they were kept waving vigorously. The cheers for the Canadian guests which followed was but another evidence of the good feeling existing between this country and our friends on any northern existing between this country and our friends on our northern boundary.

While the programme was being rendered those present enjoyed fragrant Havanas, cigarettes or the beautiful souvenir pipes, given by the committee. Liquid refreshments were also very much in evidence as were also more substantial articles of food.

THURSDAY MORNING SESSION.

The delegates assembled in the convention hall at 10 a.m. and again took up the executive business. The following programme was carried out.

Miscellaneous Business.

Discussion of Questions to be Drawn from the Question

Miscellaneous Business.

Consideration of Committee Reports.

THURSDAY AFTERNOON.

Thursday afternoon the delegates and guests, together with their ladies and the local committees were taken in carriages for a drive around the city.

The trip included beautiful Euclid Avenue, Wade Park and Gordon Park, where for some distance the driveway follows the bank of Lake Erie, the Boulevard, Crawford Road and back down Euclid Avenue to the hotel.

THURSDAY EVENING.

For Thursday evening's performance at the Empire Theater, the Lake Erie Iron Co. purchased the entire box seating capacity for the wives and daughters of the delegates and visitors, and the local ladies reception committee. The arrangements were in charge of Frank W. Davis, of the above firm, which in itself was a guarantee for a good time.

THURSDAY EVENING SESSION.

The convention was called to order shortly after 8 p. m. by President Shapleigh. The subject of the "Outlook for the approaching year: Will present range of prices probably prevail?" was ably discussed by Frank Dickerson, general sales agent of the American Tip Plate Co., and J. C. Brainerd, sales manager, The Johnson-Jennings Co.

Mr. Dickerson's speech was frequently interrupted by applause and laughter. He was followed by Mr. Brainerd, who in his usual convincing manner, spoke as follows:

Mr. President and Gentlemen:

In olden times when a nation or body of men desired to know the prospects of the future, they consulted soothsayers and astrologers who derived their power from their supposed ability to read the stars and their associations with the devil. The business man of to-day must go it alone, and when in search of like knowledge must derive it from his judgment of the condition of crops, raw material, factory capacity and domestic and foreign demand. The farmer is well known to be a large consumer of all lines of manufactured products, and the abundance of his crops and his ability to market them at a good price goes a long way toward the assurance of a prosperous year.

The agricultural reports for this year are favorable for a good wheat crop and an average corn crop in this country and for a shortage in South American and Russian cereals. This for a shortage in South American and Russian cereals. should assure the maintenance of the present prices for American food products. The reports on the cotton crop are not so favorable, and should the shortage be as heavy as some authorities claim, prices on cotton will probably be materially advanced. The past two years have been exceptionally good among our farming community and

THE FARMER IS TO-DAY A MAN OF MEANS

and is buying new tools and machinery and remodeling old, or building new buildings. The agricultural implement makers began manufacturing for the coming season fully four to six weeks in advance of the usual time and they are

making goods that are already sold.

The malleable iron trade and industry that is closely allied to the agricultural implement business and is an industry that in iron circles is considered a very good barometer of the trade, report unusual activity and large contract orders. They are pushing the furnaces for pig iron and are not getting their raw material as promptly as they desired. This shows a shortage in certain irons; in fact, as we all know, the mills, especially those that produce material used by the Hardware trade, such as pipe, wire, sheets, etc., are far behind on orders to-day. It will be months before they will be caught up so that deliveries will reach their normal conditions.

THE RECENT STRIKE

of the amalgamated association curtailed the output of tin plate, sheets, hoops, pipe, bars, etc., at least 250,000 tons and caused a very marked shortage in this line. In the case markedly of sheets and tin plates, this shortage allowed the few factories that had any stock on hand to obtain a large premium for immediate deliveries. This abnormal condition cannot exist much longer, and prices in this line must return to their normal level.

Good authorities claim that had the strike not occurred and thus curtailed consumption, certain grades of pig iron would, owing to the scarcity, certainly have advanced in price. Within the last ten days foundry pig has advanced fifty cents per ton, and I am informed on good authority that an additional advance of from fifty cents to one dollar may be expected. Two of the large furnaces in this section that make a specialty of Scotch irons are practically sold-up for the next six months, and the balance have no surplus in this grade. The stock of pig iron has been largely reduced of late, and all grades are very active.

Nearly every day large companies are being formed and contracts are being let for the construction of electric railroads. It is an accepted fact that

THE ELECTRIC RAILROAD IS THE COMING ROAD

for short distance travel, and in a short time the more thickly populated States will be covered by a net work of these lines.



connecting every city and town of any importance. These roads are a vast factor in the trade to-day and will continue to be for some years to come. They consume both in their construction and maintenance large quantities of iron and steel, both for rail, bridge and track supplies and in those lines of manufactured articles so well known to the Hardware trade.

The transition from the old style wood and iron freight car to the modern pressed steel car is going steadily forward and with increasing rapidity. One company in this line of business is alone consuming 1,600 tons of steel daily, or a yearly consumption of over a half million tons. The new steel car is one of much larger capacity than the old wooden car, and the use of these large cars has necessitated the use of heavier rails and the construction of stronger bridges.

LARGER AND MORE POWERFUL LOCOMOTIVES ARE IN ORDER, and the strictly up-to-date railroad will have engines capable of hauling as large a number of the new type cars as they

formerly hauled of the old type cars.

Steel rails are being contracted for to-day for 1902 delivery at an advance of \$2.00 per ton over present year prices, and mills report the outlook very favorable for all lines of rail-

road material.

The ship building industry throughout the country is very busy; that of the Great Lakes being taxed practically to its full capacity for the entire Winter and Spring seasons. The ore industry has been very heavy this year; in fact, larger than ever before, and it is conservatively estimated that twenty-six million tons will be brought down from the upper lake region before navigation closes, and that the amount of ore at the mines and docks will be less than for several seasons past. This, in view of the fact that it has been a year where ore users have bought for immediate use only and not on a speculative basis would tend to show the exceptionally good outlook for next year. The ore men are taking a conservative but firm view of the 1902 market, and while it is impossible for any outsider to say just what prices they will determine on for the coming year the compass points to at least as good, if not better prices than this year's.

Hardware stocks throughout the country are badly broken in many lines and must be filled up before the Spring season begins, as ability to fill orders is to-day one of the important adjuncts to success, and no line of trade more thoroughly ap-

preciates this than our Hardware friends.

concentration of industries is the order of the day, and it seems to me that this is much more of a benefit than a curse to the country at large, where the power to fix and maintain prices on a large percentage of the industries of the country is centered in the hands of a few gigantic corporations, as it now is, and those corporations continue to show the fair and conservative spirit they have maintained so far both toward the buyer and the laborer. It acts as a most reliable governor on the entire business of the country and assures a much longer season of prosperity than the old regime, where the timid manufacturer thought to fill his factory with work at just a little under the prevailing market, and by so doing carried the market down with him.

The foreign trade has fallen off quite largely, especially in the iron line. Germany, Austria and France are in the throes of one of the periodical trade depressions that sweep over a country from no seemingly explainable cause. England, who is our best market to-day, has reduced prices on her home products to meet the American competition, and Russia's retaliatory tariffs have, for the time, blocked our trade

there.

THE NEW AMERICAN POSSESSIONS

will no doubt use more of our goods next year than ever before, but this will in a very small measure make up for the large European deficit. The Oriental trade, especially that of China is bound in the near future, now that the wall has been torn down, to be a great benefit to this country, but this cannot be counted on to but a limited extent for the coming year.

We were stunned when the news of the death of our great citizen and President, Wm. McKinley, was flashed over the wires, and business stopped for the moment. Under his administration we knew a universal prosperity greater than any before in the history of the country. Under his administration our relations with foreign nations were the best and our domestic affairs in flourishing condition. The assurance given us by our present President, Theodore Roosevelt, that it is his firm intention to continue the wise and just policy mapped out by his great predecessor sets all our fears at rest, and we can move forward with confidence.

Taking the foregoing as a basis we may, I believe, safely conclude that the prices for the first six months of the coming

year will be fully up to those now ruling. This year we have not experienced the usual midsummer depression; this may be expected next year, and will not be considered unusual. The prices for the last six months of 1902 are problematic, but I am of the belief that while there may be, and probably will be an averaging up, they will continue throughout the entire year to be well maintained.

I have great confidence in the Yankee nation and its ability to maintain the position it now holds—that of the leading

commercial power of the world.

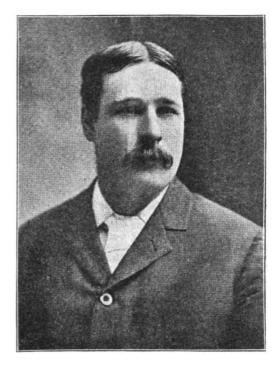
Mr. Henry R. Towne was also to speak on this subject, but he was unavoidably absent.

President Shapleigh announced that Mr. Fayette R. Plumb, President of the newly born American Hardware Manufacturers' Association, was present and would address the meeting.

Mr. Plumb said:

Mr. President and Members of the National Hardware Association—I come before you to-night as the representative of the American Hardware Manufacturers' Association, to extend greetings of that organization formed to-day and which will be perfected in the near future.

It is our desire to include in its membership all manufacturers who seek you as distributers with the distinct under-



W. STARKE, PRESIDENT CANADIAN WHOLESALE HARDWARE ASSOCIATION.

standing that manufacturers only are eligible as we wish to eliminate any misunderstanding with your association.

We are not in line as you know for membership in your company, and we think it only fair that we exclude all who claim membership here.

The manufacturers of Hardware have been very slow in these progressive days to assume that there was any necessity for concerted action, but recent developments in iron and steel have shown them that if they are anxious to correct errors in their own business the time has now arrived for concentration.

We recognize, of course, our relation with the wholesale Hardware jobbers and know that we must look to them to distribute our wares and, therefore, how necessary it is for us to work in harmony with them. Our efforts then will naturally be conducted along such lines as will meet with the approval of those whose interests are mutual.

We think you will agree with us when we say that unless there is perfect harmony between the two associations that neither of them can exist. We shall, therefore, look for cooperation and assistance in correcting any evils which may be presented.

During the last six years most of us have thought it necessary to attend your annual meetings, and while you were in executive session, which was the greater portion of the time, we have been compelled to seek amusement as best we could awaiting the termination of each session. It has, therefore, occurred to us that we could not select a better time than the dates of your meetings for our annual convention. We

shall thus be in a position to entertain any suggestions you may have to make for the general betterment of our mutual

I feel confident we shall have your cordial support and, therefore, predict a long life for the American Hardware Manufacturers' Association.

Then followed the collocution, "Trade Papers: Their relation to jobbing interests," which was discussed by R. R. Williams, editor of the Iron Age, Daniel Stern, President American Artisan, and A. Eugene Bollis, manager of Hardware.

Secretary-Treasurer Fernley read an invitation from the Berger Mfg. Co., of Canton, O., to the delegates and guests to visit their new tin plate plant. They tendered a special train to convey those who wished to accept the invitation to Canton and return to Cleveland on Saturday, Oct. 12.

FRIDAY EVENING.

The banquet tendered the convention by the manufacturers of Cleveland took place at the Cleveland Chamber of Com-

FRIDAY MORNING.

The Friday morning session was devoted to executive business and the election of officers. The officers selected for the ensuing year are as follows: President, R. A. Kirk, St. Paul; first vice-president, John C. Koch, Milwaukee, Wis.; second rist vice-president, John C. Koch, Milwaukee, Wis.; second vice-president, Brace Hayden, San Francisco; secretary-treasurer, T. James Fernley, Philadelphia; executive committee, Samuel A. Bigelow, Bigelow & Dowse Co., Boston; M. Dudley, Gray & Dudley Hardware Co., Nashville; W. S. Wright, Rector & Wilhelmy, Omaha; W. R. Belknap, W. B. Belknap & Co., Louisville; P. E. Strauss, Fitz, Dana & Co., Boston; J. D. Moore, Moore & Handley Hardware Co., Birmingham. For the place of meeting for next convention, New Orleans was selected, convention to take place on the New Orleans was selected, convention to take place on the third Wednesday in November. The usual vote of thanks was passed, and the convention was declared adjourned.

NAMES RECORDED ON REGISTRY BOOK.

AT CONVENTION.

Robt. Garland, Standard Chain Co.

W. H. Withington, Withington & Cooley Mfg. Co., Jackson, Mich.

P. E. Corey, International Metal Lath Co., Niles, Ohio. Wm. F. Bonnell, Otis, Bonnell & Co., Cleveland. Wm. P. Biddle, Biddle Purchasing Co., New York, N. Y. J. D. Warren, J. D. Warren Mfg. Co., Chicago, Ill.

T. S. Young.

1. S. Young.
C. S. Bigsbee, Garry Iron & Steel Co., Cleveland, Ohio.
C. S. Hubbard, The H. M. Myers Co., Beaver Falls, Pa.
R. S. Waddell, Dupont Powder Co., Cincinnati, Ohio.
F. S. Kretsinger, Iowa Farming Tool Co., Fort Madison, Iowa.
Geo. V. Willson, Hussey, Binns & Co., Ltd., Pittsburgh, Pa.
R. H. Binns, Hussey, Binns & Co., Ltd., Pittsburgh, Pa.
W. E. Greene, Norton Tool Co., Cleveland, Ohio.
R. M. Bond, The Willoughby Fork & Mfg. Co., Willoughby, hio. R. M. Bond, The Willoughby Fork & Mfg. Co., Willoughby, Phio.

D. O. Macquarrie, Corbin Cabinet Lock Co., New Britain, Conn. Geo. W. Corbin, Corbin Cabinet Lock Co., New Britain, Conn. Geo. W. Corbin, Corbin Cabinet Lock Co., New York.

A. H. Griffin, J. Stevens Arms & Tool Co., Chicopee Falls, Mass. Owen P. Jenks, O. P. Jenks Lumber Co., Cleveland, Ohio.

A. W. Walker, The Lovell Mfg. Co., Erie, Pa. Geo. A. Overton, P. & F. Corbin, New Britain, Conn. Chas. M. Jarvis, P. & F. Corbin, New Britain, Conn.

Chas. M. Parsons, P. & F. Corbin, New Britain, Conn.

F. E. Muzzy, J. Stevens Arms & Tool Co., Chicopee Falls, Mass. W. E. Bartholemew, P. & F. Corbin, New Britain, Conn. Geo. L. Haven, P. & F. Corbin, New Britain, Conn. H. E. Hanna, Dominion Wire Mfg. Co., Montreal, Canada. H. R. Sheridan, The Seneca Chain Co., Kent, Ohio.

E. M. Kent, Wabash Screen Door Co., Chicago, Ill.

R. N. Tufford, American Wringer Co., New York, N. Y.

R. B. Munn, American Wringer Co., New York, N. Y.

J. E. Pumphrey, Standard Chain Co., Pittsburgh, Pa. Edward H. Ward, Sharon Steel Co., Sharon, Pa.

Henry B. Lupton, Oliver Iron & Steel Co., Pittsburgh, Pa. Geo. S. Kellogg, Pressed Steel Rake Co., Buffalo, N. Y.

James Richens, American Wringer Co., New York, N. Y.

Geo. Reuter, Jr., American Wringer Co., New York, N. Y.

F. R. Plumb, F. R. Plumb Inc., Philadelphia, Pa.

Jno. J. Teeple, F. R. Plumb, Philadelphia, Pa.

W. R. Howell, F. R. Plumb, Philadelphia, Pa.

F. L. Stellwagen, Reading Hardware Co., New York.

Edw. Reitz, Pittsburgh Steel Co., Pittsburgh, Pa.

T. B. Hendrickson, Reading Hardware Co., Reading. Pa. Ohio.

T. B. Steinzell, Reading Hardware Co., New York.

Edw. Reitz, Pittsburgh Steel Co., Pittsburgh, Pa.

T. B. Hendrickson, Reading Hardware Co., Reading, Pa.

Jno. A. Harbster, Reading Hardware Co., Reading, Pa.

C. E. Brandt, National Enameling & Stamping Co., Milwaukce,

Wis.

Jno. S. French, Peter Scott Co., Cincinnati, Ohio.

E. D. Fisk, Nicholson File Co., Providence, R. I. G. N. Allen, Oneida Community, Ltd., Kenwood, N. Y. S. R. Leonard, Oneida Community, Kenwood, N. Y.

T. H. Keller, The Peters Cartridge Co., New York. O. P. Shriver, O. P. Shriver & Co., Cincinnati, Ohio. H. W. Wagoner, Stowell Mfg. & Fdy. Co., South Milwaukee,

Wis.

Wis.

J. P. McKinney, McKinney Mfg. Co., Allegheny, Pa.
C. M. King, McKinney Mfg. Co., Allegheny, Pa.
J. W. Brainard, American Steel Hoop Co.
Jas. J. McCaffrey, McCaffrey File Works, Philadelphia, Pa.
J. C. Brainard, Johnson & Jennings Co.
N. S. Calhoun, Johnson & Jennings Co.
C. C. Paine, H. C. Tack Co.
Fred'k Pease, The Chas. Parker Co., Meriden, Conn.
J. H. Faxon, The Grafton Stove Co., Grafton, Ohio.
Edw. F. Ross, J. B. Weed, Edw. Inglass, The Atha Tool Co.,
Newark, N. J.
A. W. Barnett, Jas. M. Hottel, Black Diamond File Works,
Philadelphia, Pa.
Irby Bennett, Winchester Repeating Arms Co., New Haven,

Irby Bennett, Winchester Repeating Arms Co., New Haven, Conn.

onn.
C. P. Draper, American Can Co., Cleveland, Ohio.
Tom Abnigill, G. & H. Barnett Co., Philadelphia, Pa.
Warren Smith, Pike Mfg. Co., Pike Station, N. H.
D. B. Woodbury, Stanley Works, New Britain, Conn.
Thos. Ellis, Iver Johnson Arms & Cycle Works, New York.
Fred. Buck, The Lufkin Rule Co., Saginaw, Mich.
Geo. B. Lowe, Mound City Paint & Color Co., St. Louis.
Geo. W. Turney, Rome Brass & Copper Co., Rome, N. Y.
E. T. Smythe, Wiebusch & Hilger, Ltd., New York.
F. P. Tenney, Smith & Hemenway Co., New York.
R. B. Jones, Clyde Cutlery Co., Clyde, Ohio.
F. J. Schollhorn, The William Schollhorn Co., New Haven, onn. Conn.

W. T. Norton, Norton Tool Co., West Park, Ohio.
F. S. Merrick, Standard Horse Nail Co., New Brighton, Pa.
R. N. Peck, A. W. Stanley, Stanley Rule & Level Co., New Britain, Conn.

M. H. Hays, Iron City Tool Co., Pittsburgh, Pa.
H. A. Remsey, Wabash Screen Door Co., Chicago, Ill.
N. A. Gladding, F. C. Atkins & Co., Indianapolis, Ind.
T. E. Oliver, Oliver Bros., New York, N. Y.

T. E. Oliver, Oliver Bros., New York, N. Y.
T. E. Stoddard, Winchester Arms Co., New Haven, Conn.
F. C. Young, Atlas Bolt & Screw Co.
F. G. Wooster, T. H. Gossett, Peck, Stow & Wilcox, New York.
C. M. Avery, C. M. Avery & Co., Chicago, Ill.
T. A. Mustrove, Geuder & Paeschke Mfg. Co., Milwaukee. Wis.
C. J. Miller, S. J. Miller, Gilbert & Bennett Mfg. Co., Chicago.
Robt. Garland, Standard Chain Co., Pittsburgh, Pa.
G. N. Jacobi, H. C. England, Reading Hardware Co., Reading,

Pa.

F. J. Johnson, Iver Johnson's Arms & Tool Co., Fitchburg, Mass.
G. W. Carter, P. D. Ford, H. B. Plumb, Eagle Lock Co., New York, N. Y.
H. A. Taylor, J. A. Nealy, American Screw Co., Providence,

Wm. G. Miller, Ohio Tool Co., Columbus, Ohio. Jno. C. Schmidt, Pres. Standard Chain Co., Pittsburgh, Pa.

W. H. Bennett, Reading Hardware Co., Chicago, Ill.

W. H. Bennett, Reading Hardware Co., Chicago, Ill.
Wm. Burrow, Geuder & Paeschke Mfg. Co., Chicago, Ill.
L. H. Pease, Stanley Works, New Britain, Conn.
M. A. Campbell. Wadsworth, Howland Co., Chicago, Ill.
F. D. Mitchell, Standard Chain Co., Pittsburgh, Pa.
E. H. Brooks, American Tin Plate Co., New York.
F. M. Campbell, Jones & Laughlin, Pittsburgh, Pa.
T. H. Biddle, National Sweeper Co., Marion, Ind.
T. H. Russell, Geneva Tool Co., Geneva, Ohio.
E. E. Bentley, Owosso Mfg. Co., Owosso, Mich.
R. E. Gray, American Axe & Tool Co., New York.
H. Othmer, Wholesale Saddlery Association, Chicago.
E. C. Powers, F. Z. Weadon, G. C. Duschel, B. F. Powers, Garry
Iron & Steel Co., Cleveland, Ohio.
W. B. Penfield, Hamilton Rifle Co., Plymouth, Mich.
P. H. Withington, Withington & Cooley Mfg. Co., Jackson,
Mich.

Mich.

W. N. Bowler, Forest City Paint & Varnish Co., Cleveland, O. Chas. S. Meacham, Lovell Mfg. Co., Erie, Pa. Geo. B. Main, Allerton-Clarke & Co., New York. Edwin Stern, Daniel Stern, American Artisan, Chicago, Ill. George L. Korth, Hardware, New York. Archibald Paull Mitchell, Hardware, New York. A. Eugene Bolles, Hardware, New York. W. H. Cole, Tower & Lyon, New York. C. M. Biddle, Biddle Hardware Co., Philadelphia, Pa. W. W. Woodruff, Woodruff Hardware Co., Knoxville, Tenn. C. M. Hurst, Moorehouse & Wells Co., Decatur, Ill. Geo. L. Vinz, Buhl Sons & Co., Detroit, Mich. H. E. Nickerson, Conger & Carpenter, Providence, R. I. J. W. Bowman, Stoves and Hardware, St. Louis, Mo. Mr. Haines, Dodge & Haley, Boston, Mass.

J. W. Bowman, Stores and Hardware, St. Louis, Mo.
Mr. Haines, Dodge & Haley, Boston, Mass.
R. Tenk, Tenk Hardware Co., Quincy, Ill.
Geo. H. Harper, Clendenin Bros., Baltimore, Md.
Bruce Keener, C. M. McClung & Co., Knoxville, Tenn.
W. W. Supplee, J. S. Bonbright, Supplee Hardware Co., Philadelphia, Pa.
American Washboard Co., Cleveland, Ohio.
R. W. Shapleigh, Norvell-Shapleigh Hardware Co., St. Louis, Mo.

Among the many handsome souvenirs distributed during the convention by the visiting manufacturers, the following are worthy of note:

E. C. Atkins & Co., Indianapolis, Ind., silver charm pencil

sharpener, a handsome and very useful gift.

Lake Erie Iron Co., Cleveland, O., a 9 x 14 photo of our late President, Wm. McKinley. This photograph was taken in Cleveland last June.

Fayette R. Plumb, Incorporated, Philadelphia, handsome

nickel-plated paper weight, one of Plumb's hammers.

Lovell Mfg. Co., Erie, Pa., a gold-plated anchor, represent-

ing their "Anchor Brand" wringers.

Cleveland Twist Drill Co., Cleveland, O., very neat pin, gold-plated, having thereon their trade mark.

Standard Tool Co., Cleveland, O., vulcanized rubber pen

holder, representing a drill with their advertisement printed thereon in gilt letters.

American Wringer Co., toy wringer.
Standard Tool Co., gold-plated charm, made of a drill.

Reading Hardware Co., handsome clock.

Peters Cartridge Co., Cincinnati, O., a handsome paper weight, made three 30-30 cal. rifle cartridges, and a No. 12 shot cartridge, very tastily arranged.

Tower Mfg. Co., Cincinnati, O., a glass barrel, filled with

tacks and staples, to be used as a paper weight.

Champion Steel Range Co., Cleveland, O., enameled ash tray, with their advertisement printed thereon.

Lufkin Rule Co., Saginaw, Mich., pocket tape measure.

Add Mfgs. Asso. List
Stowell Mfg. and Foundry Co., South Milwaukee, Wis.
Norton Tool Co., Cleveland, O.
Wilcox Mfg. Co., Aurora, Ill.
Rome Brass and Copper Co., and Rome Mfg. Co., Rome,

Pressed Steel Rake Co., Cleveland, O.

THE BANQUET.

The large banquetting hall of the Chamber of Commerce presented a beautiful appearance Friday evening, when nearly 500 delegates and guests assembled there. A profusion of flowers, fine music, a number of beautiful women, an excellent menu and noted speakers made it one of the most successful of the association's annual banquets. At the speakers' table on a raised platform sat Richard W. Shapleigh, Brace Hay-At the speakers' table den, T. Jas. Fernley, H. H. Bishop, John Bindley, Wm. Starke, Judge Francis J. Wing, Hon. M. A. Hanna, Virgil P. Kline, Esq., Rev. Dr. Geo. H. McGrew, Chas. L. Pack, S. D. Latty, E. S. Page, R. A. Kirk and John C. Koch.

A feature of the menu was the glace fantaisie made in the form of an anvil. For nearly two hours those present were engaged in partaking of the refreshments after which they

listened to addresses by the following gentlemen:
Hon. Francis J. Wing, who officiated as Toastmaster Richard W. Shapleigh, Hon. Marcus A. Hanna, Virgil P. Toastmaster Wing created much merriment by his witty manner of introducing the speakers.

When Senator Hanna stepped forward to deliver his address, the banquetters rose from their seats and the arched ceiling of the hall rang with their cheering. This was re-peated several times during the address, and when the Senator finished, the cheering was continued for several minutes. During his address the Senator said he believed in trade organizations and that a combination of mutual interests produces greatest results. The foreign policy of other nations depends on force of arms, not so in America, our development being the highest state of civilization. Young men have better chances now than ever before. American growth of in-terests have reached the point where we must look where to find a market, and this question should receive consideration in all trade organizations. It is one of two things with us, more markets or less production. Some people sneer at commercialism. This for America is a paramount consideration. We have the finest mechanics and the best business men, and we want a chance to place our products in the markets of the world. To accomplish this we must have the American ship. (Great applause.) The American people are in favor of the Ismithian canal to be open to all the world.

At the close of Senator Hanna's address a verse of America was sang with great enthusiasm.

Virgil P. Kline delivered an address on the subject, "Commercial Honesty." Toastmaster Wing then spoke as follows:

On behalf of the Hardware manufacturers of Cleveland I wish to bid you a hearty welcome. I am aware that the term middleman has come to be used, at times, in an opprobrious sense. I cannot concede that any opprobrium could possibly

attach, unless the middleman is entirely without usefulness. In the trade with which you are connected I can readily understand that there is a large field for usefulness. Were it not for the jobber, the manufacturer would require an additional capital to carry the stock which the jobber now carries, and for this reason, the middleman is a kind of a partner of the manufacturer.

I think it will be recognized as true that to the jobber of Hardware is largely due the fact that American manufacturers are to-day producing articles of greater merit and higher excellence in the Hardware line than the manufacturers of any other country in the world. Broadminded competition cannot help but be more beneficial to trade than narrow rivalry. Reliance for success in manufacture and trade upon secrecy and isolation can never produce the beneficial results which flow from a generous interchange of knowledge and experience between those engaged in similar enterprises. The standardizing of manufactured products in metal in this country is incident to the broader view taken by you gentlemen, and has grown out of just such meetings and associations as this. There are other reasons, we of course know, for the phenomenal progress which has been made in recent years in the exportation of the products with which you gentlemen have to do. You have been permitted to develop your skill and experience by wise protective laws. I feel at liberty to say this upon this occasion, because success condones fancied errors of methods, and no matter what the political beliefs of a person may have been, so long as he is an American, and gratified with American trade supremacy, he is in no sort offended by a suggestion that a protective tariff was, to some extent, the occasion of it. America, and all things American, have been enormously advertised by the astounding results achieved in the Spanish war. In conclusion, I wish to again congratulate you, the manufacturers and middlemen, upon the present opportunities in trade, and the manner in which, in your wisdom, you are taking ad-A vigorous foreign policy and an intimavantage of them. tion to the world that we not only can, but will protect our citizens, wherever they may be, tends to create and support the individual courage required as the basis of all foreign enterprises.

H. B. Ives Co.

The new plant of the H. B. Ives Co., in New Haven, Conn., has been constructed on the most improved plan for economy in operation, and productiveness in output, the latest up-todate machinery having been added to the facilities previously enjoyed by the company. It is conceded by manufacturers who have inspected it to be the most thoroughly equipped plant of its size in New England. The company have added to their line of sash locks-now admitted to be the best known window appliances specified by architects-a new wrought metal one, shown in their page advertisement in this issue, which is meeting with increasing sales throughout the trade. As will also be noticed in their announcement referred to above, they have successfully brought out a Window-stop Adjuster, which has been fully protected by patents in the United States and foreign countries. The essential feature of this adjuster is that it is practically a flush washer, and being made from one solid piece of metal in a pattern that has a thick bed, it will not bend in tightening the screw, and having a thin flange, to admit of an extremely close adjustment of screens, and which also prevents the screw from drawing it into the wood. It is extremely neat and ornamental in appearance, affording a quick and simple adjustment of the shrinkage or expansion of the windows to which it is applied, and doing away entirely with all weather-strips and other anti-rattler devices. The company issue a catalogue, illustrating their entire line of window Hardware specialties, which will be mailed free upon application, and should be in the hands of every Hardware dealer in the country.

Puller—But what ought I talk to my partner about?

Putter-Her splendid play, of course.

Puller-And if she is a regular duffer?

Putter—Tell her what lobsters the others are.—Ex.

AMERICAN HARDWARE MFRS. ASSOCIATION.

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PRELIMINARY MEETING OF HARDWARE MANUFACTURERS.

Over ninety Hardware manufacturers met in the Banquet Hall of the Hotel Hollenden, Wednesday afternoon at 3 p. m., for the purpose of forming a Manufacturers' Association. Among those present at this meeting were the following:

Oliver Williams, president of Bryden Horse Shoe Co., Cata-

sauqua, Pa.
C. F. Carrier, the Cronk & Carrier Mfg. Co., Elmira, N. Y.
George D. Kirkham, American Steel & Wire Co., Cleveland. George D. Kirkham, American Steel & Wire Co., Cleveland.
John C. Schmidt, Standard Chain Co., Pittsburgh.
S. S. Gould, St. Louis Shovel Co., St. Louis, Mo.
J. E. Pumphrey, Standard Chain Co., Pittsburgh, Pa.
Frederick D. Mitchell, Standard Chain Co., Pittsburgh, Pa.
George S. Kellogg, Pressed Steel Rake Co., Buffalo, N. Y.
C. H. Miller, Champion Steel Range Co., Cleveland, O.
E. G. Smythe, Wiebusch & Hilger, New York.
Daniel Simonds, Simonds Mfg. Co., Fitchburg, Mass.
J. W. Brainard, American Steel Hoop Co., Cleveland.
William Brunow, Geuder & Paeschke Mfg. Co., Chicago. William Brunow, Geuder & Paeschke Mfg. Co., Chicago. C. W. Scofield, Lake Erie Iron Co., Cleveland. T. A. Musgrove, Geuder & Paeschke Mfg. Co., Milwaukee. J. L. Evans, the Brown, Hinman & Huntington Co., Columbus,

T. A. Musgrove, Geuder & Paeschke Mfg. Co., Milwaukee.

J. L. Evans, the Brown, Hinman & Huntington Co., Columboohio.

C. S. Bigsby, Garry Iron & Steel Co., Cleveland.

Theodore Huss, the Lufkin Rule Co., Saginaw, Mich.

H. E. Doty, the Taylor & Boggis Foundry Co., Cleveland.

H. A. Higgins, the Standard Tool Co., Cleveland.

N. A. Gladding, E. C. Atkins & Co., Indianapolis, Ind.

Charles A. Meacham, Lovell Mfg. Co., Chicago.

Charles E. Adams, Cleveland Hardware Co., Cleveland.

C. Marcey, the Horton Mfg. Co., Ft. Wayne, Ind.

Wm. Bates, Kirk-Latty Mfg. Co., Cleveland.

W. C. Heimbeucher, W. C. Heimbuecher & Co., Chicago.

C. S. Van Wagoner, the Van Wagoner Co., Cleveland.

A. W. Walker, Lovell Mfg. Co., Erie, Pa.

G. W. Hodges, the Goodell Co., Antrim, N. H.

Norton T. Jones, the Kirk-Latty Mfg. Co., Cleveland.

John J. Teeple, Fayette R. Plumb, Philadelphia.

E. D. Fisk, the Nicholson File Co., Providence, R. I.

Edward T. Ross, the Atha Tool Co., Newark, N. J.

A. E. Bronson, the Bronson-Walton Co., Cleveland.

Samuel D. Latty, the Kirk-Latty Mfg. Co., Cleveland.

Samuel D. Latty, the Kirk-Latty Mfg. Co., Cleveland.

F. S. Kretsinger, Iowa Farming Tool Co., Ft. Madison, Iowa.

J. J. McCaffrey, McCaffrey File Co., Philadelphia, Pa.

Frank Wiswell, the Enterprise Mfg. Co., Philadelphia.

R. D. Munn, American Wringer Co., New York, N. Y.

John J. Tower, Tower & Lyon, New York.

Charles S. Gallager. Tower & Lyon, New York. R. D. Munn, American Wringer Co., New York, N. Y.
John J. Tower, Tower & Lyon, New York.
Charles S. Gallager, Tower & Lyon, New York.
William H. Cole, Tower & Lyon, New York.
George L. Haven, P. & F. Corbin, New Britain, Conn.
William R. Howell, Fayette R. Plumb, Philadelphia.
Harry B. Lupton, The Oliver Iron & Steel Co., Pittsburgh.
Irby Bennett, Winchester Repeating Arms Co., New Haven,

Irby Bennett, Winchester Repeating Arms Co., New Haven, Conn.

Edward Ingalls, the Atha Tool Co., Newark, N. J.
W. A. Campbell, The Wadsworth-Howland Co., Chicago.
Harry A. Rumsey, Wabash Screen Door Co., Chicago, Ill.
O. P. Schriver, of O. P. Schriver & Co., Cincinnati.
George W. Turney, Rome Brass & Copper Co., Chicago.
R. B. Jones, the Clyde Cutlery Co., Clyde, O.
Fayette R. Plumb, Philadelphia.
Edward M. Kemp, the Wabash Screen Door Co., Chicago.
Charles C. Paine, H. C. Tack Co., Cleveland.
C. F. Braffett, Simonds Mfg. Co., Chicago.
D. B. Woodbury, the Stanley Works, Chicago.
William G. Miller, Ohio Tool Co., Chicago.
George H. Harper, Clendenin Bros., Baltimore.
R. N. Tufford, American Wringer Co., New York, N. Y.
D. W. Patten, Tower & Lyon, New York.
Frank Wiswell, the Enterprise Mfg. Co., Philadelphia.
Edward Ingalls, the Atha Tool Co., Newark, N. J.
W. A. Campbell, Wadsworth Howland Co., Chicago, Ill.
H. B. Plumb, Eagle Lock Co., New York.
H. P. Sullivan, National Snath Co., Erie, Pa.
F. E. Muzzy, J. Stevens Arms & Tool Co., Chicopee Falls, Mass.
T. H. Taylor, American Steel & Wire Co., New York City.
C. M. King, McKinney Mfg. Co., Allegheny, Pa.
Wm. M. Powell, the Columbian Hardware Co., Cleveland.
G. E. Needham, Garry Iron & Steel Co., Cleveland.
L. F. Blue, Marysville, O.
Fred I. Johnson, Iver Johnson Arms & Cycle Works, Fitchburg,
Mass.
G. F. Salisbury, Iver Johnson's Arms & Cycle Works, Fitch-

G. F. Salisbury, Iver Johnson's Arms & Cycle Works, Fitch-

Thomas Ellis, Iver Johnson's Arms & Cycle Works, New York.

Frank M. Tobin, the Hopkins & Allen Arms Co., Norwich, Conn. Frank M. Tobin, the Hopkins & Allen Arms Co., Norwich, Conn. Joseph B. Weed, Atha Tool Co., Newark, N. J. H. W. Caldwell, the Cleveland Stone Co., Cleveland, O. Wm. R. Howell, Fayette R. Plumb Co., Philadelphia. E. Warren Smith, the Pike Mfg. Co., Pike Station, N. H. Williston B. Penfield, the Hamilton Rifle Co., Plymouth, Mich. S. Y. Buckman, the Berger Mfg. Co., St. Louis, Mo. Albert E. Hanna, Dominion Wire Mfg. Co., Montreal. Herbert T. Williams, the Iron Age, New York. R. R. Williams, the Iron Age, New York. Daniel Stern. American Artisan. Chicago. Daniel Stern, American Artisan, Chicago Sidney P. Johnson, American Artisan, Chicago.

Before the meeting was called to order Samuel D. Latty, Chairman of the Cleveland Manufacturers' Committee, requested those desiring to attend the banquet Friday or the drive Thursday to answer the postals enclosed with their tickets.

H. B. Lupton called the meeting to order and Robert Garland was elected temporary President and F. G. Mitchell temporary Secretary.

Mr. Garland opened the meeting with the following ad-

We have met here, gentlemen, in accordance with the call to consider the advisability of forming an association of Hardware Manufacturers.

Most of us here have been attending the conventions of the National and the Southern Hardware Associations, meeting the jobbers in pleasant relationship, and discussing with them at their open meetings such trade questions as would come The jobbers are organized, however; we are not.

Unquestionably much can be accomplished by organizing. If there are any matters of variance as between the manufacturer and his good friend, the jobber, we can discuss such questions at our separate sessions, and with both bodies organized we should be able to reach better results.

here as individuals, we accomplish little or nothing.

The Hardware Jobbers' Association must be successful or they would not live from year to year, constantly growing stronger. The Association of Agricultural Implement Manufacturers is a successful organization to which attention might be called. This association is in a very flourishing condition, and the members of it have been well repaid for their efforts.

It would be the idea, as I take it, for our association to meet, say, twice a year; once during the convention of the National Jobbers' Association, and again at the Southern Jobbers' convention.

Matters of important interest are being constantly brought to our attention by the jobbers; often through the executive committees of their association. Certainly, therefore, with our own organization we could reach better understandings, work out better results than by working along in a vague way as heretofore. All around us we see trade organizations. Jobbers and retailers, working for the betterment of their business; but we manufactures go along as we best know how. All kinds of different contracts are made covering such important matters as quantities, term of contract, privilege of increase, guarantee of price, etc. Some of us have, of course, remedied such abuses very materially, but there is still room for general improvement. Some men, for instance, new in business, will be glad to make any kind of a contract, give anything in the way of a guarantee, or a long term contract for an indefinite quantity, simply for the glory of selling one of our large jobbers. He is simply buying experience, and he can figure what it cost him when at the close of his business year he examines his balance sheet. Manufacturers of this kind are a menace to the manufacturing business; they are a menace to the jobbing trade as a whole, and just as the jobber, perhaps new in the business, or with wrong ideas or little experience, has been benefited by being taken into the counsels of his organization, so can we attain more uniformity in our dealings with the trade by a general discussion of leading trade questions.

We are all, of course, aware that action taken by our association (should we perfect one) would not bind all our members, but certain measures could be recommended, and various abuses could be eradicated, which would certainly be taken up.



by a sufficient number of manufacturers to be of lasting benefit to the trade at large.

It is unnecessary, however, to further expatiate on these matters, and while it just occurs to me that our object here is to form a "Union," yet we can say to our jobbing friends that this is not intended to be one of the tyrannical unions to which Mr. J. Pierpont Morgan says "Incorporate." We don't need to incorporate; there need be no special frills, simply a modest organization to meet with our buying friends now and then, and jointly do all in our power to make the "rough" places smooth.

C. S. Van Wagoner, of Cleveland, pointed out that such an Association would be a success if they could get a man as President who would do as much for the manufacturers as William W. Supplee, of Philadelphia, had done for the Hardware jobbers during the three years that he had been President of that organization.

J. Hardy, Secretary Canadian Wholesale Association; R. R. Williams of the *Iron Age*, and Oliver Williams of the Bryden Horse Shoe Co., made valuable suggestions of the *modus operandi* of forming such an association.

Mr. Williams, of the Bryden Horse Shoe Co., Catasauqua, Pa., said that by forming organizations manufacturers get to know each other, and knowing each other trust each other. He told of the immense value accruing from an association in his line, and while some of his brother competitors formerly had elastic consciences he believed he had not found one of them in a lie in a year, and is confident that if an association is formed it will be successful.

Ex-Governor Goodell said that through organization all important enterprises are carried through, that enterprise combined with brains and capital were usually successful, that frequently we make blunders because we do not understand and know our competitors, that individual effort may not succeed, that individuals do not know all, but altogether may know all; that all successful business men first made failures, and young men fail before their business wits are sharpened.

John C. Schmidt, President of the Standard Chain Co., stated that as part of his creed is the spirit of getting together, and recalled in the recent labor difficulty the united action of the manufacturers. He told how at previous conventions at which the manufacturers had been attending as guests they usually had plenty of time hanging on their hands and did nothing, and did nothing badly; that during the executive session of the jobbers the manufacturers could meet comfortably and learn to know one another; that they then could meet persons and individuals and know their personality and not their name on a letter head. There would be no additional expense to attend the meeting of manufacturers while attending the meetings of the jobbers.

Mr. Irby Bennett, of the Winchester Repeating Arms Co., told of the advantages of the Ammunition Association, and was confident that if the manufacturers organized they would reap a benefit.

General Withington, of Withington & Cooley, Jackson, Mich., told of the advantages of the organization of which he is a member; that they regulate deliveries and freight allowances. They made a definition of the meaning of terms which has shortened the time and made the limitation as to the meeting of the guarantee. On motion the committee was appointed to formulate a plan for an organization about the meeting to be held to-morrow, after which they adjourned to meet at 9:30 to-morrow. The committee is as follows:

H. B. Lupton, N. A. Gladding, E. G. Buckwell, Fayette R. Plumb, C. S. Van Wagoner, W. H. Withington, F. S. Kretsinger, Thomas C. Coles (Am. S. & W. Co.), Fred S. Merrick and Oliver Williams.

THURSDAY MORNING SESSION.

The Hardware Manufacturers were called to order at 10:30 a.m., Thursday, by Chairman Garland, who for the benefit of those who were not present at Wednesday's session, explained the object of calling the meeting.

In response to the call of the chairman the following report of the committee appointed Wednesday was submitted by Mr. C. S. Van Wagoner.

Mr. Chairman—Your Committee appointed for the purpose of formulating plans for a permanent organization, begs to report as follows:

That this Association shall be known as the American Hardware Manufacturers' Association.

Object—To further the interests of the manufacturers and promote cordial relations with the distributers.

It is recommended that a permanent organization be effected, consisting of the following officers:

President, Fayette R. Plumb, of Fayette R. Plumb, Incorporated.

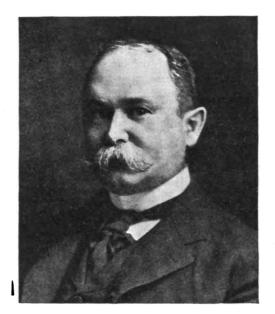
First Vice-President, Samuel M. Nicholson, of Nicholson File Co.

Second Vice-President, C. S. Van Wagoner, The Van Wagoner Co.

Third Vice-President, F. S. Kretsinger, Iowa Farming Tool Co.

Secretary-Treasurer, F. D. Mitchell.

Executive Committee—Robert Garland, Chairman, Standard Chain Co.; Henry B. Lupton, Oliver Iron and Steel Co.;



FAYETTE R. PLUMB.

N. A. Gladding, E. C. Atkins & Co.; W. S. McKinney, McKinney Mfg. Co.; Samuel Disston, Henry Disston & Sons; C. E. Adams, Cleveland Hardware Co.; Jas. Kelly, Kelly Axe Co.; J. C. Birge, St. Louis Shovel Co.

The committee recommends that the annual dues be \$10. On motion of Mr. Reitz the report was adopted.

W. H. Cole said he felt deeply interested in the matter of the forming of the association; that it should have been formed years ago. In forming the association there should be no sectional lines; all should be on equal grounds. He warned those present against the possibility of cliques controlling the association and suggested that the Executive Committee be enlarged in number so that every interest be represented.

Mr. Garland said that as far as his knowledge extended there was not even a suspicion of a clique and that such a condition should be guarded against.

H. B. Lupton said that the idea of the association was first presented by W. S. McKinney, of Pittsburgh, and he (Mr. Lupton), Mr. McKinney and Mr. Garland had sent out the invitations for the present meeting.

Oliver Williams next secured the floor and said that in making the nominations the committee had endeavored to select the best men from all parts of the country. He suggested that much time would be saved if the nominations of the committee were accepted at once.

In response to a question from G. E. Needham, Mr. Garland stated that the membership would include manufacturers of Hardware and allied lines. That a membership committee would be appointed later and would decide on all applications for membership.

In response to calls Mr. Garland then placed the report before the house and it was unanimously adopted.

Mr. Plumb came forward to take the chair and spoke briefly, first thanking those present for the honor conferred upon him. He said that he recognized the responsibility of the position and was confident that the Executive Committee would be able to transact the business of the association and promised to do his part.

He called attention to three questions deserving considera-

Cash Discounts—Nearly all manufacturers have adopted 60 days or two per cent. off in 10 days. That some jobbers seemed to think that this meant two per cent. off in 30 days. The steel manufacturers having withdrawn all cash discounts, it placed the Hardware manufacturer in a disagreeable posi-

Contracts-With steel manufacturers a contract is in black and white, and they always see that it is carried out to the

Special Brands—So many jobbers are demanding that their own brand be placed on goods, that if the practice continues the name of the manufacturer will be completely lost sight of and his money spent for advertising his goods be wasted.

Mr. Plumb then announced that the Executive Committee would draft articles of incorporation, name various committees and report to members at earliest possible moment. Mr. Plumb also warned those present against government by clique.

Mr. Garland moved that the president carry to the National Hardware Association at Thursday evening session the greetings of the new organization and convey to them something of what had been done. This motion was carried.

H. B. Lupton suggested that all present sign a temporary roll not to be binding until final organization had been pre-

Mr. Plumb stated that, of course, the membership committee would act on all names presented before they would be considered members.

Oliver Williams stated that while he did not wish to talk politics, he wished to say that he believed the policy of protection had been chiefly instrumental in assisting this country to gain its present position as an exporting country. He has been lately investigating foreign trade and finds that foreign buyers receive the American manufacturer now with open arms, a manner widely different from the reception given them up to a few years ago. He asked that the new association join with the National Association of Manufacturers in their effort to promote the cause of protection.

On the suggestion of Oliver Williams, the President called on Mr. Hobson, the London representative of the Iron Age, who spoke for several minutes on American trade in England and India.

The following resolution was then offered by Oliver Williams, of the Bryden Horse Shoe Co.:

Resolved, "That the American Hardware Manufacturers' Association be composed exclusively and strictly of manufacturers of goods handled by the Hardware trade."

The resolution was adopted without a dissenting vote. After the announcement by the President that the Executive Committee would at once take up the business at hand, the meeting was adjourned.

She—Is it true, dear, that when you proposed to me you didn't know whether I was worth a penny?

He-Absolutely. But I always was willing to take chances.

Noises and the Law.

Some decisions of the courts as to when a noise is a nuisance.

How to deal with the sounds which come within the nuisance classification will probably be one of the puzzling problems demanding solution at the hands of modern jurists and modern legislators. The petition filed in the Civil District Court yesterday in this city by Henry Denis, a prominent member of the New Orleans bar, against the Discalceated Carmelite Nuns to stop the almost continuous ringing of bells at the convent, at North Rampart and Barracks Streets, on the ground that the practice constitutes an actionable nuisance, again calls attention to the almost endless variety of sounds which are ceaselessly hammering on the eardrum of the man in the ctiy.

Among the bitterest and most vitriolic utterances Schopenhauer ever indulged in his gloomy quarrel with the world was the broadside which he hurled at the man who persisted in cracking his whip as he drove through the streets. Consistent with his erratic temperament, he gave the utterance a conspicuous place in one of his most learned essays. Other men of genius have shown similar antipathies, even unto the musicians who have died leaving behind them a mass of split notes and syncopated sounds to harass the hearing of those who survive them.

Art has played no inconspicuous part in the sound nuisances which have come into existence on account of the augmentation of population, and probably some of the many cases found in the law books grew out of the rendition of some of the world's masterpieces in music. At any rate, frequent complaint has been made of sounds of this character on the ground that they constituted an actionable nuisance, and the courts have been asked to suppress them. And in many instances they have been suppressed.

The courts have gone so far in some instances as to hold that the noise incident to an ordinary business may be a nuisance. In 1882 the question was raised in a Massachusetts case with reference to a factory bell, and the Court declared the ringing of the bell to be a nuisance within the meaning of the law. A similar conclusion was reached in another case where objection was made to the noise in a blacksmith shop, the hammering on the anvil and other noise incident to a blacksmith's work. But the courts have been as prudent as possible in cases where objection has been made to sounds arising in the ordinary course of business. They have been forced to observe more than ordinary prudence in dealing with this phase of the question, because of the increase in the amount of noise incident to business methods.

But the bell has probably played a more conspicuous part in jurisprudence than any other instrument of sound, and in many instances the learned judges have yielded to the alluring opportunities to humor the sentimental side of their nature in dealing with these cases. In the early English case, in 1851, Kindersley, who rendered the decision, took occasion to make a philosophic reference to the bell, touching upon the pleasurable sensations of the sound, as well as the disagreeable part of it. He said:

"Now, a chime of bells may be, and no doubt is, an extreme nuisance to a person who lives within a few feet or a few yards of those bells; but to a person who lives at a distance from them, although he is within reach of the sound, though he is within the sphere of their operations, within the influence of their effect, so far from being a nuisance, an in-

convenience, it may be a positive pleasure."

The test laid down in the books is that any "noise which constitutes an annoyance to a person of ordinary sensibility to sound, such as materially to interfere with the ordinary comfort of life, and impair the reasonable enjoyment of his habitation, is a nuisance to him." This is the doctrine applied in American cases, and it was even applied in a New York case where objection was made to the noise of a trade, and while holding that the noise of a trade was not a nuisance per se, the Court concluded that it might become so on account of the manner of conducting the business.

The problem in the future will probably be dealt with scientifically. Specialism in medicine has already blazed the way for a more careful attention to the senses, and the injury to the hearing capacity consequent upon unusual noise has already been suggested. It destroys that discriminating nicety in hearing which the artists in music are so much interested in, and the scientific man may call a halt lest the time come when one may not catch the softer sounds of the world.—New Orleans Times-Democrat.



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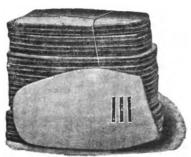
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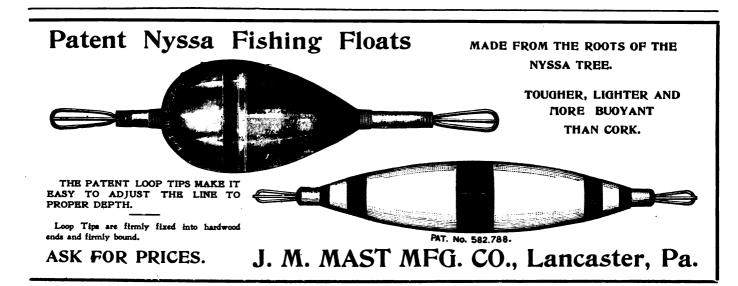
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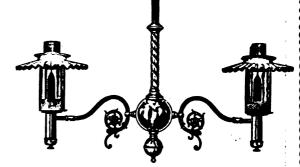
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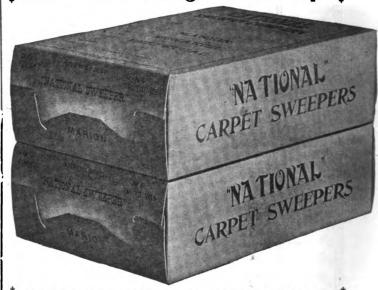
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Fort Wayne, Ind. St. Louis Mo. AND

Manufacturers Washing Machines, Cyclone Churns, Self-Measuring Oil Tanks, Ironing Boards.



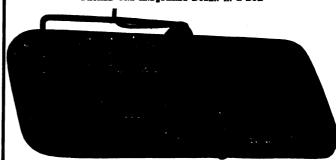
The largest and best assortment are made at our two factories, Ft. Wayne, Ind., and St. Louis, Mo. We make 16 different styles and can furnish jobbers and dealers all the styles they desire in one carload. Please send for Catalogue and Prices.

E-Z MANUFACTURING CO.

SOLE MANUFACTURERS OF THE KETCH TRAPS



MOUSE TRAP
PACKED ONE AND THREE DOZEN IN A BOX

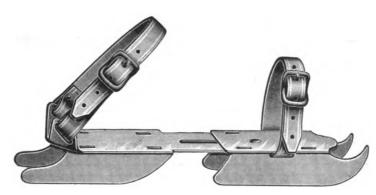


PACKED ONE DOZEN IN A BOX

E-Z-KETCH MOUSE and RAT TRAPS are the best that have ever been invented. They are made entirely of metal and consequently will not warp or get out of order like wood block traps. They can be easily washed and cleansed from all odors and impurities. Used with or without bait. When bait is used it is put beneath the trap and an animal is bound to spring the trap before touching the bait.

They have the safest and easiest set and surest trigger.

E-Z TO KETCH, E-Z TO BAIT, E-Z TO CLEAN.



Winslow's Double Runner Skate

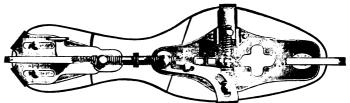
A Skate intended for little Children and Beginners.

ADJUSTABLE.

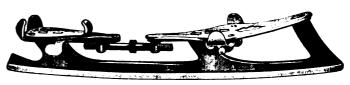
In Sizes from 6 to 9½ Inches.

Winslow's New Side Adjustment-Skate

Which can be adjusted on the boot as the skater may desire. The runners have FLANGED BOTTOMS which make them light but strong.



Cut showing Side Adjustments.



Winslow's Hockey Skate.



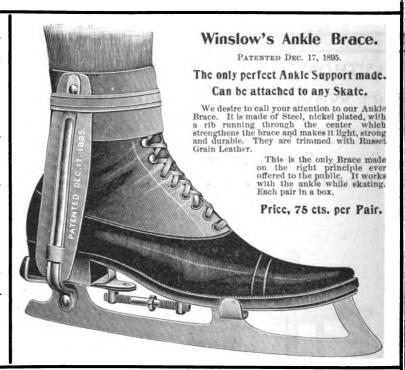
Winslow's Famous Hockey Skates,

Known the world over by the best Hockey Players.

Our 1901 Catalogue is completed and we will send it to any address.

Beautiful Hanging Signs illustrating our Ice Skates and Double Runner Skate will be sent to Dealers upon application.

We manufacture the largest assortment of Standard Lever Adjustment Skates for Men and Women.



The Samuel Winslow Skate Mfg. Co. Worcester. Mass.

TELEPHONE, 3038 CORTLANDT. ESTABLISHED 1858. CABLE ADDRESS, MACARTYCO. P. O. BOX,

J. C. McCARTY & CO.,

Manufacturers' Representatives

...IN...

HARDWARE AND KINDRED LINES.

10 WARREN STREET, NEW YORK.

LIST OF AGENCIES:

Enterprise Mfg. Co., of Pennsylvania,

Sad Irons, Coffee Mills, Meat Choppers, Lawn Mowers, etc.

American Horse Shoe Co.,

Horse, Mule and Snow Shoes.

National Horse Nail Co.,

Champlain Forged Horse Nails.

Bay State Forge,

"Climax" Toe Calks.

Heller Brothers Co.,

Horse Rasps and Farriers' Tools and Machinists' Hammers.

Norton Iron Works,

Steel Cut Nails, Wire Nails, Annealed and Galvanized Wire.

Fisher and Norris,

Eagle Anvils and Chain Vises.

The Avery Stamping Co.,

"Never Break" Steel Wares.

Columbia Grey Iron Co.,

Toys, Novelties and Builders' Hardware.

Whitehead Bros. Rubber Co.,

Belting, Packing and Hose.

United States Edge Tool Co.,

High Grade Axes.

Southern Handle Mfg. Co.,

Hickory Axe, Pick, Sledge and Hammer Handles.

Hamden Mfg. Co.,

Ives' Augers, Bits and Braces.

The Fred J. Meyers Mfg. Co.,

Wire Goods.

Chisholm & Floore Flfg. Co.,

Chain Hoists, Etc.

Eureka Chair Seat Co.,

Eureka and Universal Chair Seats.

Keystone Lock Works,

Malleable and Cast Iron and Brass Scandinavian High Grade Steel, Brass and Bronze Padlocks.

Luther & Lederhos (Export),

"Enterprise" Line of Oil and Gas Stoves.

Lincoln & Wood Co.,

Bit Stock Drills, etc.

Toledo Tube Co.,

Shovels, Spades and Scoops.

Geneva Tool Co.,

Hand Agricultural Tools.

Coes Wrench Co.,

Improved Knife Handle and Mechanics' Wrenches.

Utica Tool Co.,

Hoes, Forks, Rakes, Coke and Coal Forks, etc.

Dana & Co.,

Peerless-Iceland and Frezo Ice Cream Freezers.

Oliver Iron and Steel Co.,

Carriage and Machine Bolts, Coach and Lag Screws, Picks, Mattocks, Grnb Hoes, etc.

The Clark Mfg. Co.,

Clark's Blind Hinges and Hardware Specialties.

Ohio Tool Co.,

Auger Bits, Chisels, Drawing Knives, Planes, Plane Irons, etc.

Columbus Brass Co.,

High Grade Plumbing Fixtures.

The Armour Sand Paper Works,

Flint and Emery Paper, Garnet and Emery Cloth.

Tucker & Carter Rope Co.,

Solid Braided Cordage.

Island Foundry Co.,

Hot Air Registers and Ventilators.

H. C. Tack Co.,

All kinds Tacks and Nails.

A. E. Deitz.

Fine Locks and Night Latches.

New Freedom Wire Cloth Co.,

Painted Hard Steel, Rustless, Bronze and Brass Wire Screen Cloth.

O. B. Wilson,

Stock Bells, etc.

Pelouze Scale & Mfg. Co.,

Postal, Counter and Family Scales and Spring Balances.

Giant Patent Nail Pullers, "UN-X-L-D"

Samson Carriage and Wagon Jacks.

Factory:
SOUTH BOSTON.

TOOLS
and
SUPPLIES
for

STEAM WATER

Garand
Gara

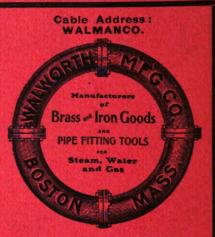
ESTABLISHED

1842.

Ceneral Offices: 128 to 136 Federal St., Boston, Mass.

> New York Office: PARK ROW BUILDING.

London Office:



Walworth's Patent
Solid Die Plates.

No. 2 and Larger
Have Leader Screws.

Furnished with
Hill's Solid Pipe Dies.

The Stillson Adjustable Wrench.

IT IS THE ONLY WRENCH THAT CIVES PERFECT SATISFACTION.

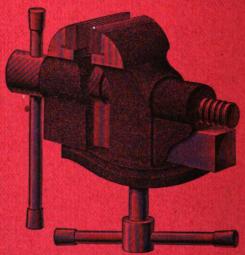


Every mechanic knows and appreciates the merits of the STILLSON. All parts being interchangeable, repairs can be promptly furnished. For sale by the Trade everywhere, and manufactured solely, by the WALWORTH MANUFACTURING COMPANY.



Walworth Extra Heavy Pipe Vise.

DOES NOT CRUSH PIPE LIKE OTHER VISES.



Grips Pipe 3 to 6 inches, inclusive, and by reason of its solid and substantial "make up," also furnishes a first-class TOOL FOR GENERAL MACHINE WORK.

It is fitted up with 5-inch Jaws of Solid Steel, cut extra coarse to grip Pipe firmly. It weighs eighty pounds.

Our Catalogue, 320 Pages, Illustrates Everything for Steam, Water and Gas Engineering.



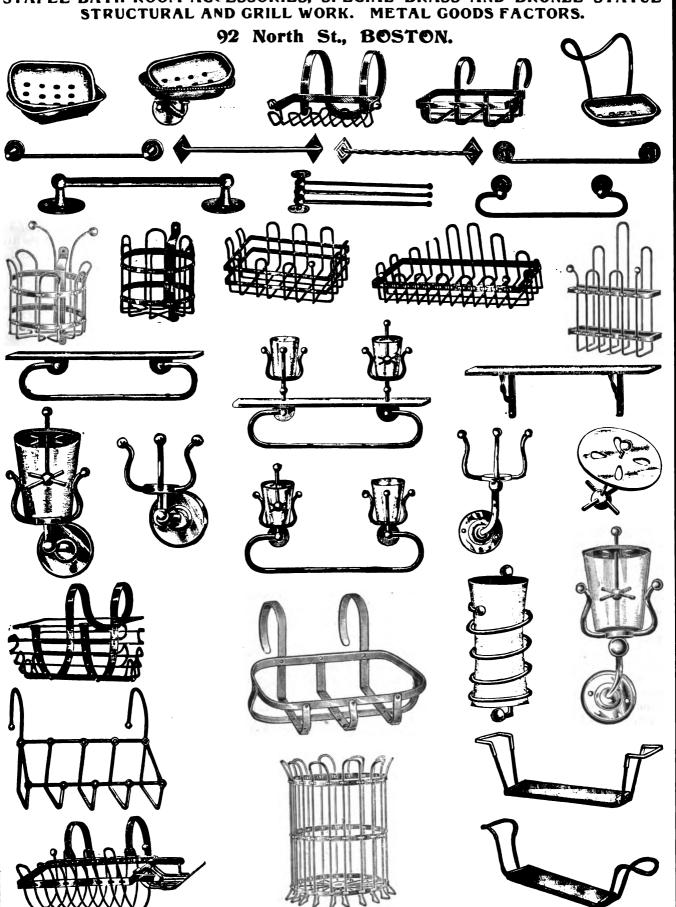
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J. P. Eustis Manufacturing Co.

Che Brasscrafters

Manufacturers of

STAPLE BATH ROOM ACCESSORIES, SPECIAL BRASS AND BRONZE STATUE STRUCTURAL AND GRILL WORK. METAL GOODS FACTORS.





Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

Incorporations, New Stores, etc.

Anadarko, Okla. Ter.-Julius Stelzner. Bowling Green, Ky .-- W. H. Miller.

Casca, Tex.—The Douglas Mercantile Co. has been incorporated; capital stock, \$10,-000; purpose, to transact a Hardware business. Incorporated by E. T. Beardon, A. M. Graham, A. T. Summers and others.

Cheshire, Conn.-A certificate of incorporation of the Cheshire Hardware Co., incorporated, has been filed with the Secretary of State. The capital stock is \$6,000. The company will begin business with a capital stock of \$3,000. The subscribers are Henry Cote, of Cheshire, and E. C. Wood and E. R. Jackson, of Waterbury.

Gibson City, Ill.—Roth & Yoder.

Hilisporo, l'ex.-Lang-Knight Co. has been incorporated; capital stock, \$10,000; purpose, to transact a Hardware and furniture business. Incorporated by W. R. Lang, W. H. Knight and W. H. Lemons.

Lancaster, O.-J. S. Shepard.

Macon, Ga.-G. Y. Lowe.

North Easton, Mass.-Iames Sawver.

Perry, O.-Morrison & Orcutt.

Pierre, S. D.—Articles of incorporation have been filed for the F. E. Putnam Hardware Co., at Brookings, with a capital of \$300,000. Incorporators, Frank N. Putnam, Louis N. Fuller, George P. Hall.

Spokane, Wash.-Wilmer & Dwyer have incorporated their Hardware business under the name of Wilmer-Dwyer-Helmer Co.

Changes and Improvements.

Biddeford, Me.-Edward K. Scamman, the Main Street Hardware dealer, has decided to go out of business.

Brooklyn, Pa.-Geo. Terry, one of our young business men, has purchased the Hardware business and real estate of F. H. Kent.

Burlington, la.—The Hardware store so long and favorably known by the name of Frank Kupper, and more recently by the name of Mrs. Henrietta Kupper, has passed into new hands, the purchaser being Mr. Thomas A. Nichols, of Stronghurst, Ill. The store will henceforth be known as the Thos. A. Nichols Hardware Store.

Center Harbor, N. H.—Frank Morse, grocer and Hardware dealer, has sold his stock to Albert Bennett & Co.

their Hardware store to O. A. Sweet and F. N. Munsell, possession to be given as soon as invoice is taken. The new firm will be Sweet & Munsell.

Danbury, Ia.-J. T. Sigmon has purchased an interest in the Hardware business of W. C. Cameron. The name of the firm will be Cameron & Sigmon.

ware Co., of New Bedford, will open a & Thomas.

branch store on Centre Street, next to the Savings Bank.

Franklin, Tenn.-Henry Pointer, I nompson Station, has purchased the Main Street into a room on B Street. grocery and Hardware business of Sam S. Woolwine, on Main Street.

Hammondsport, N. Y.—The Hardware firm of Masson & Freidell has been dissolved, Mr. Freidell retiring.

Honolulu, H. I.—The firm of E. O. Hall & Sons, Ltd., whose \$200,000 establishment and stock was burned a few weeks ago, has started up again in an adjoining building. It has absorbed the Pacific Cycle Mfg. Co. and has doubled its capital stock.

Kalamazoo, Mich.-John De Visser has sold his Hardware stock on South Burdick Street to J. Frenkel, of New York City. Mr. Frenkel expects to move the stock out of the city.

important change made in the management possession. ot the Edwards & Chamberlain Hardware Co. At a meeting of the board of directors the office of secretary and treasurer, held william D. Edwards elected secretary, A. K. Edwards continuing as treasurer. William D. Edwards has been a stockholder declared bankrupt. since 1893.

where the store now stands.

Hardware Co. to his partner, James Hastings.

Portland, Me.-William S. Kerrigan, the plumber, has purchased the Hardware stock of L. W. Bradstreet, 921 Congress Street, and will hereafter add that line to his busi-

vv apella, Ill.—George Givens has sold his interest in the Hardware store to W. R. Carle. The new firm is W. R. Graham &

Sterling, Ill.—The Hardware firm of Meister & Seely, has been dissolved by John C. Meister, selling his share of the stock to his partner, Thomas Seely.

Lyndonville, Vt.-Parker P. Ball has moved his Hardware store into the middle store in Ide's block.

Newburgh, N. Y.—The building of the Loss, \$300; fully insured. Lawson Hardware Co. will be raised one Chenoa, Ill.-Moschel & Fisk have sold story to give additional room which is greatly needed.

Ritzville, Wash.—The Ritzville Hardware Co. have taken the preliminary steps toward the erection of a two-story fire-proof block 50 x 100 feet.

San Jose, Ill.—E. M. Thomas has purchased a half interest in the Hardware business of J. W. Morrison. The new firm will Fair Haven, Mass.—The Packard Hard- be conducted under the name of Morrison

St. Albans, W. Va.-U. S. Jarrett has purchased the Hardware store of Q. A. of Beckwith and is moving the same from

Utica, N. Y.-James H. Hoard, who has conducted a Hardware store in the village for nearly thirty years past, recently disposed of his business to Howard Smith, of East Schuyler, who has already taken possession of the same.

Watertown, S. D.-John Keenan has sold his interest in the Hardware business to his partner, Arthur Poulson, who will conduct the business in future.

West York, Ill.—Seymour & Cullop have commenced the addition to their implement and Hardware room.

Winchester, O.-D. L. Stewart, of Tranquality who recently purchased the Hard-Kalamozoo, Mich.—There has been an ware store of E. E. Hedrick, has taken

Recent Embarrassments.

Baltimore, Md.-A petition has been filed by A. K. Edwards, was separated, and in the United States Circuit Court asking that the firm of Morton, Reed & Co., dealers in machinery and machinists' supplies, be

Boston, Mass.-John Kiley, Hardware Mt. Calm, Ill.—The Mt. Calm Hardware dealer, doing business on Blue Hill Avenue, Co. has bought the three lots just across has filed a voluntary petition in bankruptcy Second Street, opposite their present place at the office of the United States District of business, and will soon build a brick Court. His liabilities are \$146,250.58; taxes, store there, facing south, or on the site \$1,869.19; secured claims protected by mortgages on real estate, \$31,875; unsecured Omaha, Neb.-Fred. M. Smith disposed claims, \$64,676.64; accommodation paper, of his interest in the Smith & Hastings \$47,829.75. He gives as an asset real estate valued at \$35,608, and located in Roxbury, which is entirely encumbered by mortgages.

> Hamilton, O.-John Loring, a Hardware merchant of Middletown, has filed a deed of assignment in the Probate Court to C. B. Niederlander, Cashier of the Merchants' National Bank, of Middletown. Mr. Niederlander gave a \$3,000 bond.

> Kansas City, Mo.-John Davidson & Son, Junction City, Kan., Hardware dealers, have failed. Liabilities, \$5,000; assets, \$1,000.

Recent Fires.

Britton, S. Dak.—S. S. Lawrence.

Britton, S. Dak.—Widemann & Ingersoll. Detroit, Mich.—Richard Beegan, 1107 Michigan Avenue. Loss, \$500.

Dowagiac, Mich.—Onen Hardware Co.

Dry Run, Md.—Alexander & Elder.

Essex Junction, Vt.-W. S. Teachout. Loss, \$2,000. Fully insured.

Honolulu, H. I.-E. O. Hall & Sons. Loss, \$150,000.

Pinconning, Mich.—A. Grimshaw. Loss, \$1,000; insurance, \$400.

Rantoul, Ill.-Williams' Hardware store. Troy, N. Y .- Willard H. Cooley, Douw and River Streets.

Windsor, Can.—Dimock & Armstrong. Small loss.



WHEN YOU SEE



Bearing this label

You may be sure



WOOD FINISHES VARNISHES AND JAPANS OF ALL GRADES, AND FOR EVERY USE KNOWN.

NEW YORK,252 PEARL ST.,BOSTON,520 ATLANTIC AVE.,BALTIMORE,22E . LOMBARD ST PHILADELPHIA, 26&28 N. FOURTH ST., CHICAGO, 15&17 LAKE ST., CINCINNATI, 304 MAIN ST., ST. LOUIS, 112 FOURTH ST., SAN FRANCISCO, 12 FRONT ST.

FACTORY & MAIN OFFICE, DETROIT.

IF YOU HANDLE VARNISH IT WILL PAY YOU TO DROP US A LINE.



The Only Bicycle Seat made that is Absolutely Comfortable and Durable.

In the "Rider" Saddle we have all the objectionable features eliminated. Its unique features are its upholstered seat and adjustable nose.



'Its Nose is Adjustable, Soft'and Flexible,' Hence impossible to hurt or injure

THE PRICE WILL SURPRISE YOU. Ask about it.

-MADE BY-

RIDER SADDLE CO. 194 Grand River Ave.,

Detroit, Mich., U. S. A.

MUTILATE

your papers with pine ers but use



Only satisfactory device for the temporary attachment of all kinds of papers. Quickly applied and removed. Adopted by leading corporations as being without an equal. Samples free.

Price, 15 cents per box of 100.

SUSHMAN & DENISON. Mfrs. 240-2 W. 224 St., N.Y.

NULITE THE

750 Candle Power

ARC ILLUMINATORS

Produce the Finest Artificial Light in the World.

Superior to Electricity or Gas. than Kerosene Oil. Cheaper

NO SMOKE. NO ODOB. NO NOISE. ABSOLUTELY SAFE. They are Portable. Place them anywhere

Table Lamps, Pendants, Wall Lamps, Chandeliers, Street Lamps, etc.

They sell at sight. Big discounts to Hardware men. Write for Catalog and Prices.

CHICAGO SOLAR LIGHT CO. 81 Firth Aveilo.



Outdoor.



Indoor.

STANDARD OF THE WORLD. —Awarded 12 Medals for PORTABIL-TY, SECURITY and GENERAL ADAPTATION for purposes intended.

Endorsed by fire underwriters everywhere, rate of insurance.

Used exclusively U.S. Life Saving Service, Railroads, Mines, Hospitals, Institutions, Banks, Breweries, Express Companies, Refineries, Hotels, Residences, Factories, Stores, etc. Compels the watchman to make systematic visits to every part of your property, and records his exact whereabouts during the entire night.

Write for Catalogue and Special Prices to Bept. C. E. IMHAUSER & CO., 206 Broadway. New York.

WILLOUGHBY" COKE AND COTTON SEED FORKS.



Are made exclusively from highest grade crucible steel manufactured expressly for our requirements.

Using only *High Grades* of Steel manipulated by the most approved methods and machinery, and by skillful workmen, we stand pledged to a high standard of excellence in all our various products.

Ask for catalogue and prices—they are interesting.

THE WILLOUGHBY FORK & MFG. CO.

Willoughby, Ohio.

HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers over the country, are requested to contribute to this page. News of new factories or companies, changes. improvements, etc., will be gladly received, and promptly published.

New Incorporations, Etc.

Baltimore, Md.—The Maryland Shovel and Mfg. Co. has been incorporated by Messrs. William H. Whiting, James Walker, Joseph W. Abbott, Charles H. Anderson and William T. Kuhns for the purpose of and similar goods. The company has a capital stock of \$25,000.

Boston, Mass.—The Standard Co. has been incorporated with a capital stock of \$5,000, to manufacture Hardware specialties. William T. Russell, president; T. W. Brown, treasurer.

Bridgeport, Conn.—A new company has been formed here to manufacture a patent window sash tightener. H. D. Trefy is nuts. These are Philadelphia people; cappresident and T. C. Trefy secretary and ital stock, \$100,000.

and Mfg. Co., of the Borough of Queens, has been incorporated with the Secretary of State, to manufacture and sell drop and other forgings, and metal articles. The capital stock is \$30,000, and the directors for the first year are William H. Brock, of Seaford, L. I.; Frederick W. Daggett, Gerard B. Townsend and Ira E. Miller, of New York City, and Jacob C. Siefert, of Long Island City.

Buffalo, N. Y.—The Buffalo Forge Co. has been organized with \$1,000,000 capital. William F. Wendt, Henry W. Wendt and Elizabeth Wendt are the organizers. The life of the new organization is for 50 years and the plant is to continue in Buffalo.

Detroit, Mich.—The Ives Automatic Door Opener Co. have filed articles of incorporation; capital stock, \$5,000, all paid in. The plant will be located at Dearborn. The incorporators are Louis Ives and Fred E. Gregory, of Dearborn, and Wm. T. Gregory, of Detroit.

Fort Edward, N. Y .- H. D. Northup and C. O. Linindoll have formed a co-partnership under the name of the Acme Mfg. Co. for the purpose of putting on the market an automatic hasp latch for heavy swing and sliding doors. This latch is an invention of Mr. Linindoll.

Kalamazoo, Mich.-The Kalamazoo Stove Co., incorporated with a capital of \$65,000, has been organized. The following officers were chosen: President, Edward Woodbury; vice-president and general manager, William Thompson, formerly of Chicago; secretary, A. H. Dane; treasurer, C. A.

McKeesport, Pa.—Another corporation, capitalized at \$250,000, has decided to establish a plant in McKeesport, or the immediate vicinity. Application for a charter has been made at Trenton, N. J., by the Consolidated Machinery Co., of McKeesport, composed of sixteen McKeesport and ing Mill Co. to appear in Supreme Court

ized company will make a specialty of manufacturing patent adjustable curtain hangers and other small wire and steel novelties.

Muncie, Ind.—Articles of incorporation been filed in the county recorder's office. The capitalization is \$80,000. W. F. Spencer, Robert B. Kersey, George M. Spencer, William F. Spencer, Jr., and J. M. Maring are named as the incorporators.

Philadelphia, Pa.—The Mason Multiple all kinds of plate washers, screws, bolts and

Rochester, N. Y.-Rochester Die Shaper Brooklyn, N. Y.—The Brock Forging Co. has been incorporated to manufacture and sell die shapers and other tools and machinery; capital stock, \$50,000.

St. Paul. Minn.—Articles of incorporation have been filed with the Secretary of State by the J. T. C. Mfg. Co., of which Attorney-General W. B. Douglas is one of the incorporators. The other incorporators are James I. Clark and M. L. Clark, both of this city. The purpose of the company is to manufacture Hardware, and the capital stock is \$100,000.

Sherburne, Minn.-Articles of incorporation have been filed with the Secretary of State by the Sherburne Weather Strip Co., capital, \$25,000.

Trenton, N. J.—The American Shovel and Tool Co., to manufacture all kinds of tools, has been incorporated, with a capital of \$5,000,000. The incorporators are Lawrence Grover, New York: Herbert Taylor, New York; Oliver W. Mink, Boston.

Wilmington, Del.—In the office of James Knox Taylor, the Diamond Shear Mfg. Co., which was recently incorporated with a capital stock of \$50,000, was organized recently. Those interested in the new concern are William Lawton, Howard T. Wallace, J. D. Carter, Dr. John C. Fahey, Patrick Fahey and DeHaven Morris. The new plant will be located in the building recently occupied by the American Die and Tool Co., at Nineteenth and Tatnall Streets.

Worcester, Mass.-A corporation has been formed with F. E. Walden, president; John Otis, vice-president; H. A. Tenney, secretary, and J. B. Scrimgeour, treasurer. The corporation is to be known as the Williams Quick Action Wrench Co., and is incorporated under the laws of West Vir-

Changes and Improvements.

Despatch, N. Y.—An order granted by Justice Davy directing all persons interested in the Despatch Brass Hardware and Roll-

Pittsburgh capitalists. The concern will emon December 31st and show cause why an ploy about 300 men. The applicants for the order dissolving the company should not charter are A. A. Nimo, B. H. Pettes and be granted, has been filed with the county Jacob Sternberg, of McKeesport; W. Harris clerk. James L. Whalen is named as tem-and I. Leonard Aronson, of Pittsburgh. porary receiver. The directors of the com-The company already has a small plant in pany are Peter S. Fletcher, Martha A. Jerome Street, McKeesport. The re-organ- Fletcher and William Fletcher, all of Despatch.

Kansas City, Mo.-Plans are being drawn for a \$50,000 factory and warehouse for W. J. Smith & Sons on Guinotte Avenue, bedealing in shovels, sheet-metal stamping for the American Lawn Mower Co. have tween Lexington and Lydia Avenues. The new building will have a six-story and basement warehouse, paint shop and foundry. The factory will manufacture wheel scrapers, drag scrapers, railroad plows and other similar machinery.

Springfield, Ill.—The Sattley Mfg. Co. Plate Washer Co. has been incorporated manufacturing plows and other farm imto carry on the business of manufacturing plements, has raised its capital stock from \$500,000 to \$1,000,000.

Recent Fires.

Cincinnati, O .- The immense tin and japan ware factory of F. H. Lawson Co., at Brooks Street and C., H. & D. Railroad, caught fire recently and was damaged to the extent of \$15,000.

Woodbury, Conn.-The factory in Woodbury, nurchased some time ago by Benjamin Richards, of Winsted, was discovered to be on fire recently. It was totally destroyed. Mr. Richards was engaged in manufacturing novelties.

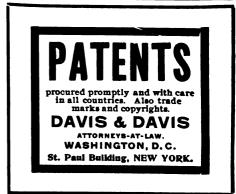
Embarrassments.

New Haven, Conn.-The Connecticut Cutlery Mfg. Co., which has a plant at 71 Hamilton Street, is in financial distress.

Miscellaneous.

Franklin, Pa.—The annual meeting of the Grant Tool Co. was held recently in the main offices of the company, in the Third Ward.

Pittsburgh, Pa.—At the annual meeting of the Pittsburgh Stove and Range Co. recently, John D. Nicholson, of the firm of George B. Hill & Co., was elected president, to succeed Charles H. Bradley. The composition of the board of directors was unchanged, except for the election of J. W. Huntley, vice Lyman W. DeHaven, resigned. The present board consists of the following: J. D. Nicholson, A. M. Neeper, J. S. Graham, George W. J. Bissell, James McKee, C. H. Bradley and J. W. Huntley.





Our advertisement this week has outgrown this space. You will find it on pages 59, 60, 61, 62, and it is interesting enough to read from beginning to end. By the way, have you a good stock of Sargent's Gem Food Chopper and the Eclipse Door Check and Spring?

SARGENT & COMPANY

New Haven, Conn. Philadelphia

New York Boston

TABOR STOP MOTION COUNTER.

You don't have to hunt for centre in shaft and then for your watch while balancing on a ladder.

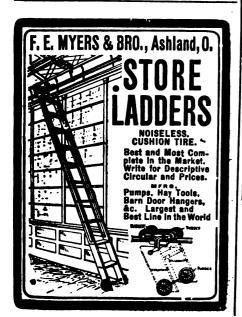


The Tabor Revolution Counter. Elizabeth, N. J.

SOMETHING NEW STANDARD" BALL-BEARING PHILADELPHIA CASTERS.

Samples and Catalogue free. Standard Caster & Wheel Co., 312-326 East 23d St., New York,





THE " ICE CHISE



ALL STEEL.

Socket Extra Heavy and Extra Long.

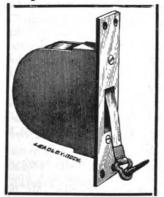
Blade Heavy and Beveled.

Gold Bronze and Silver Polish Finish.

High Grade Long Handle.

The Iowa Farming Tool Co., FORT MADISON, IOWA.

LE HIGHER



In price, but so much

HIGHER IN QUALITY

that the great majority of dealers prefer to sell

CALDWELL... SASH BALANCI

They can recommend them with clear conscience. Write for catalog.

Caldwell Mfg. Co.,

4 JONES ST., ROCHESTER, N. Y.

Register

Of all kinds. Quality Best. Prices Guaranteed end for Price List.

STANDARD CASH REGISTER CO., WABASH

BICYCLE AND SPORTING GOODS RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Albany, N. Y.—The Graham-Fox Motor Co., of New York City, has been incorporated to manufacture motors and automobiles. The company has a capital of \$500,-200, and the directors are Frank A. Fox and David F. Graham, of Stamford, Conn.; James J. Thornley, Jr., of Brooklyn; C. G. Weaver, of New York City, and W. D. Blake, of Richmond Hill, Long Island.

Camden, N. J.—Punctnot Tire Co., with \$1,000,000 capital, has been incorporated to manufacture non-puncturable tires. Incorporators, L. C. Wirth, C. S. Bisworth, William F. Eddell.

Chicopee, Mass.—Sam Kelley has opened a bicycle repair shop on Mortgomery Street.

East Hartford, Conn.—James Lester has opened a bicycle repair shop at 86 Hartford Avenue.

Jersey City, N. J.-American Rubber Works have been incorporated with principal office, New Jersey, Registration & Trust Co. building, 525 Main Street, East Orange, N. J. Objects, manufacturing rubber tires, etc. Capital, \$1,000,000. Incorporators, G. H. Huntington, I. S. McGiehan and John W. Wilcox.

Tuckahoe, N. Y .-- Herman Mester.

Changes and Improvements.

Cadillac, Mich.—C. D. Shepard has removed to the Olson Building, on South Mitchell Street.

are branching out somewhat and have now established a branch store at the corner of East Green and Wright Streets. The stock consists of a general supply of photographic, golf and the various athletic supplies. Andrew J. Creighton is in charge of the new store.

Greenwich, Conn.—C. J. Ferris has moved Kirkpatrick Saddle Co. his bicycle business into the store recently occupied by Adam Zink, who has moved to Stamford.

Islip, N. Y.-Joseph Downs has removed Powers' interest. to larger quarters.

Haynes-Apperson moto-cycle manufactory has been determined upon, and it will probdoubling the capacity.

removed to Tifz Block.

Nashua, N. H.-Lintott & Buswell have dissolved partnership; Mr. Lintott will continue business.

Penn Yan, N. Y.-Wilkins & Ellis have purchased repair business of Reed Bailey.

for the stock which he carries.

Rome, N. Y.—A new factory building for the manufacture of fishing rods and sporting goods will be erected this fall on the old tannery site on Jasper Street. The building will be as large as the premises will accommodate and twenty-five workmen will be employed on the start. The new industry will be established and operated under the management of Clark, Horricks & Co., a sporting goods firm which has been engaged in business in Utica during the past fifty years. John F. Pepper, of this city, who has had considerable experience with this line of manufactures, has accepted the position as superintendent of the new concern.

St. Catherines, Ont.—The Co-Operative Cycle and Motor Co. has not proved to be a success. An order has been granted at Toronto winding up the concern upon the application of the Dunlop Tire Co., of Toronto, creditor for \$5,000. The total liabilities are estimated at \$50,000. Justice Lount subsequently appointed the National Trust Co., of Toronto, liquidator. The company made an assignment to the Trusts and Guarantee Co. recently, but this is now void.

St. Paul, Minn.-C. J. Smith & Co. is the new title under which the business of the C. J. & F. E. Smith Co. will hereafter be conducted. The interest of F. E. Smith has been purchased by C. J. Smith.

Spencer, Ia.-A. Wilkins sells half interest to M. Vanitor.

Springfield, O. - Charles McCutcheon, Champaign, Ill.—Cunningham Brothers formerly with the American Saddle Co., and Thomas J. Wetzel, who was connected with the Kirkpatrick Saddle Co., have joined forces and will open offices in Chicago as manufacturers' agents. They have a number of desirable lines of goods about closed for, and are looking for others. Their temporary address is care of the

> Springfield, Mass.—The firm of Curran & Powers, bicycle dealers, has dissolved partnership, Mr. Curran having purchased Mr.

Springfield, Mass.-E. N. Bosworth and Kokomo, Ind.—A second addition to the R. F. Russell have exchanged a branch of their business with each other. Mr. Bosworth has disposed of his picture framing ably be as large as the plant now is, thus business to Mr. Russell in exchange for the latter's bicycle business. Mr. Bosworth Morrisville, Pa.-Davis & Partlow have will now devote all his time to his bicycle business.

> Superior, Wis.—Hunter & Marticot, who sets of \$500. were recently burned out, have reopened at the West End.

Doubleday Co. and the Frontenac Cycle 124.62, and his assets \$1,014.67.

Pittsfield, Mass.-W. J. Devall, the Bank Co. has been amalgamated, and the com Row bicycle dealer, has leased the vacant panies have moved into the same quarters. store in the Burns Block. He has had the The W. A. Doubleday Co. did a jobbing store fixed over, and has moved his stock and retail bicycle business at 315 South there. His former quarters were too small Warren Street, and the Frontenac Co. was located at 325 South Warren Street. Both are now at the latter place, additional room having been provided. The change has already gone into effect. At the annual meeting of the Doubleday Co., before the change was brought about, a dividend was declared on the stock. W. A. Doubleday, E. P. Black and G. E. Hancock were elected directors. They elected Mr. Doubleday president; Mr. Black vice-president, and Mr. Hancock secretary. The new concern will do a jobbing and retail business in bicycles and sundries. They will also job automobiles. Those made by the Stearns Steam Carriage Co., in this city, will be handled at first, and possibly others later. W. A. Potter, who was manager of the Frontenac Cycle Co., will have charge of the retail department, and Mr. Doubleday of the wholesale department.

> Syracuse, N. Y.-Frank Land, former secretary of the I. A. Weston Cycle Co., has sold has interest in that company to H. Romeyn Smith, who has been elected secretary and treasurer. I. A. Weston retains the office of president. The Weston Co. manufactures parts for bicycles and motor vehicles.

Toledo, O.-Norman DeVaux has purchased the retail business of E. G. Eager & Co., 324 and 326 Superior Street, and will make the latter place his headquarters, closing his Jefferson Street and East Side stores.

Wellsboro, Pa.-J. W. Butts, who, during the past few years, had built up an excellent business in selling bicycles and sporting goods, has sold his store in the Coles House Block, to Hon. W. E. Champaign, who took immediate possession.

Westfield, Mass.-Fred H. Cooley, the bicycle dealer, has decided to add to his store at 22 Arnold Street, a full line of rubber goods and has a stock of them already in.

Westport, Conn.-F. W. Kemper, Jr., has removed to Wheeler building.

Wilmington, Del.-McDaniel & Kemp, dissolved; Albert E. McDaniel will con-

Winona, Minn. - P. Herried succeeds Paul Kvemven.

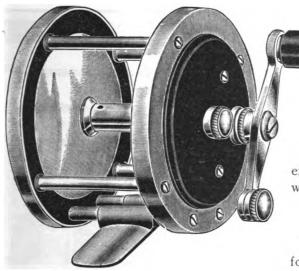
Embarrassments.

Boston, Mass.-James C. Bell, No. 8 Warren Avenue, has filed petition in bankruptcy, with liabilities of \$3,298.77 and as-

Milwaukee, Wis.-Fred Weil, a bicycle dealer at 405 Grand Avenue, has filed a peti-Syracuse, N. Y.—The stock of the W. A. tion for bankruptcy. His liabilities are \$1,-



FISHING & REELS.



We are now manufacturing a complete line including all the popular styles and sizes: Brass, Nickel, German Silver and Rubber, suitable for all kinds of fishing, either salt or fresh water.

40, 60, 80, 100, 150, 200, 250, 300, 350 YARDS.

The foreman of this department has had 25 years experience in the manufacture of Fishing Reels, and we guarantee our goods the finest in the market.

Prompt Shipments.

Be sure to get our prices before placing your orders for the coming season.

ENTERPRISE MANUFACTURING

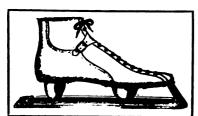
Largest Manufacturers of FISHING TACKLE in the United States.

AKRON, OHIO.

FISHER TUBE SKATE

The Latest and Best for Racing and Hockey. . .

As great an improvement in skates as the pneumatic tire in bicycles.



HOCKEY MODEL.

VERY LIGHT, STRONG ≱ FAST.

Patented in U. S. and Canada.

THE CROSBY CO., BUFFALO. N. Y.

The Only First Hand Source of **GENUINE** MARTY TRAPS

BURUITT & WILLIAMS CO

KELLY FORWARD EX

THE

STANDARD

BAR

OF THE

WORLD

THE NEATEST THE BEST

Why accept some imitation when you can get the Original Kelly Bar? 'Tis no experiment.

Castings No Stampings All Parts Forged

THE KELLY HANDLE BAR GO., GLEVELAND, OHIO.

TUCK M'F'G CO., Brockton, Mass. ESTA

Toois, Cutlery and Springs.

SEND FOR CATALOGUE.

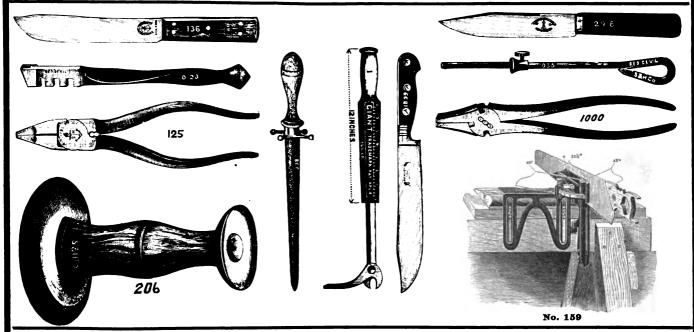
To Buyers at the **Convention**





DON'T purchase any of the Goods illustrated until you have examined the GREEN BOOK of Hardware Specialties.

IF THEY BEAR EITHER OF THESE TRADE MARKS THEY ARE GENUINE.



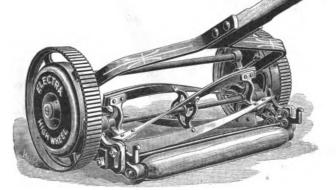
HEMENWAY CO. UTICA DROP FORGE & TOOL CO. THOMSON BROS. & CO.

Ask your dealer for these goods and if they don't have them, why write direct to

296 BROADWAY.

NEW YORK CITY.

new Lawn Mowers for 1902.



Write for information and prices for 1902. Orders should be sent in early for next year's trade to be filled promptly.

The Electra

high and Low Wheel

This is a new competitive machine which will be put on the market for next season's trade. Nothing has been slighted in the way of material and finish, and we recommend it to the Trade as the best lowpriced machine made.

Che Pennsylvania Junior

Ball Bearing.

We will also have on the market for next season The Pennsylvania Junior, being the same high grade machine as the Standard Pennsylvania, with BALL BEARING adjustment. It has five knives in cylinder, and train of gears. We recommend this machine to the trade as being as near perfection in Lawn Mowers as is possible to reach.

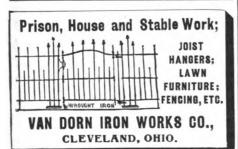
Write for Catalogue giving all information concerning The Pennsylvania, The Pennsylvania Golf, The Great American, The Great American Ball Bearing, The Continental, The New Departure, The New Quaker City, The Girard, The Belmont, The Westfield, The Pony, The Pennsylvania Horse and Horse Golf Mowers. These Mowers need only to be mentioned as they are all well and favorably known.

Supplee Hardware Company, Philadelphia, Pa.

The National Sewing Machine Co. build nearly all the sewing machines which are being handled so successfully by so many hardwaremen. We are leaders in our business, and for that reason are better prepared to supply the requirements of the trade than anyone else. Write us for catalog and prices.

Address us at Belvidere, Ills.









ROBERT MURRAY.

24 Duane St., New York City.

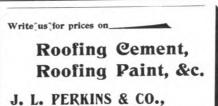
General Hardware

Agent for Atlantic Screw Works.
Wood Screws of Every Description.
Agent for Maynard's Socket Shovels.





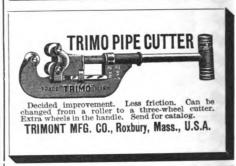




239 Lake Street, CHICAGO.







A WHOLESALE HOUSE

Wishes to communicate with manufacturers of Tools for regular deliveries for Cash. Apply

E. NEWBORGH & CO., 46 Southampton Buildings, London, W. C.

Hardwaremen's Exchange.

Notices of HELP WANTED or SITUATIONS WANTED will be inserted in this column free of charge. Should not exceed Four Lines.

ALL OTHER NOTICES, twenty-five cents per line.

Help Wanted.

ENTRY CLERK.—Good man for billing, who has had experience in this line and knows the pump and pipe business. Address The Goulds Mfg. Co., Seneca Falls, N. Y.

Situations Wanted.

A FIRST-CLASS ACCOUNTANT, book-keeper and cashier, understanding office work in every particular, desires to connect himself with some house, where integrity and strict attention to business would meet with fair compensation. Address P. P. P., care HARDWARE, 275 Broadway, New York.

BLACKSMITHING.—Young man, 19. would like to learn blacksmithing. Address James White, 159 Chrystie Street, New York.

BOOKKEEPING AND GENERAL OFFICE WORK.—Young man, with a thorough knowledge of French and German, and English as well, thoroughly acquainted with foreign trade, bookkeeping and general office work, six years' experience in machinery and Hardware business in France and Germany, desires position. Address M. E. S., care HARDWARE, 275 Broadway, New York.

Situations Wanted.

BOOKKEEPER AND SIGN WRITER—Man, 32 years of age, with nine years' practical experience in retail Hardware as clerk and buyer, At double entry bookkeeper and sign writer, wants like position First class reference. Address S., care HARDWARE. 275 Broadway, New York.

BUYER, MANAGER OR SALESMAN.—A gentleman of 38 with a creditable business career of 20 years in Hardware, House Furnishing, Paints, etc., seeks position. Address S. F., care HARDWARE, 275 Broadway, New York.

ENGINEERING SALESMAN wants to make connection with Ar house, and travel in New York City and State; has good circle of acquaintances and will work for reasonable terms while developing business; good references. Address E. L. I., care HARDWARE, 275 Broadway, New York.

EXPERIENCED BOOKKEEPER is open for engagement. Has knowledge of general office work; also Hardware and Gas business. Address BOOKKEEPER, 55 Dupont Place. Johnstown, Pa. 190

EXPERIENCED ENGINEER and estimator in machinery, steam heating and general iron work, and having acquaintance with architects and builders of Greater New York, would like to take position with concern doing structural steel building work, doing outside work, soliciting, superintending, etc., to get more perfect knowledge of estimating, etc. Good references. Small salary only expected at start. Address D EDWARDS, 441 W. 51st Street, New York.

EXPERIENCED HARDWARE CLERK.—Young man 27 years of age desires position with Hardware firm. Twelve years experience as clerk and salesman, both retail and wholesale. Salary moderate. Address H. T. B., care HARDWARE, 275 Broadway, New York.

Situations Wanted

FACTORY SUPERINTENDENT—A position as superintendent by a young man with a long experience and up to date methods for manufacturing Hardware wire and sheet metal novelties; can also design tools and dies. Address "H," care HARDWARE, 275 Broadway, New York.

FACTORY TRAVELER — Experienced factory traveler, with wide acquaintance among all classes of buyers, desires position. Highest trade references; also former employers. Address H. C., care HARDWARE, 275 Broadway. New York.

FOREMAN.—Experienced in stock, packing and shipping departments of manufacturing concern Can give good references.

Address F. P. R., care HARDWARE. 275 Broadway, N. Y. 235

FOREMAN OR TIMEKEEPER—Situation wanted by a man (32) as foreman or timekeeper. A hustler; can handle any kind of help; thoroughly posted on piece work system; 12 years' reference from last place. Address J. H. L., care HARDWARE, 275 Broadway, New York.

HARDWARE ASSISTANT—Young man, now as assistant buyer by well-known Hardware concern, desires position in same or similar capacity where there is room for advancement. Address S. R. S., care HARDWARE, 275 Broadway, New York.

HARDWARE CLERK OR SALESMAN.—Situation wanted in retail Hardware store. An all-around man; ten years' experience. Address C. E. F., care HARDWARE, 275 Broadway, New York. 191

HARDWARE SALESMAN OR BUYER.—Young man desires position as salesman or buyer. Seven years' experience in importing and jobbing Hardware house First class reference furnished. Address Y, care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN of 14 years' successful experience, as direct representative for leading manufacturer to jobbers throughout the country, will be open for engagement after January 1. Highest references. Address SALARY, care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN.—German, to visit the retail trade in city and nearby towns. Commission or salary and commission.

Address George Burckner, 227 E 87th Street, New York. 216

HARDWARE CLERK.—A man who has been in both wholesale and retail business wants position where he can make himself useful.

Address J. W. R., care HARDWARE 275 Broadway, New York. 243

HARDWARE CLERK.—Wanted by a young man with experience, position as clerk in Hardware store. Has also had three years' experience at plumbing. Willing to work at it part of the time. Address Robert Craig 77 E. Columbia St., Detroit, Mich. 246

LACQUERER—Thoroughly experienced in lacquering and the manufacturing of lacquers of all kinds, desires a position and can furnish the best of references. Address G. A. W., care HARDWARE, 275 Broadway, New York.

MACHINERY SALESMAN.—Experienced man wants to represent special or general machinery and supplies, to establish New York office, or travel and install. Address Edwards, care H. Mfg. Co., 121 Front Street. New York.

MANAGER OR SALESMAN.—Position as manager or salesman of Hardware store by man of 31 years, having had thorough experience. Address Experience, care HARDWARE, 275 Broadway, New York.

OFFICE MANAGER AND CASHIER.—A position desired as office manager and cashier by a young man with twelve years' experience First-class references—security given, if desired. Address S. J. N., care HARDWARE, 275 Broadway, New York. 259

PAINT AND WALL PAPER SALESMAN.—Situation wanted by a young married man, perfectly familiar with the details of the paint and wall paper trade. Address or call. Charles P. Lundquiste, 83 Third Street, Brooklyn, N. Y. 208

PLUMBER, STEAM AND GAS FITTER.—Plumber, steam and gas fitter desires work in city or country; first class in all its branches, estimating, etc. Neat mechanic; sober, honest; references. Twenty years' experence. Address James E. Usher, 475 E. 115th Street, New York.

SHIPPING CLERK.—Young man desires position as shipping and receiving clerk. Four years' experience in shipping general Hardware and machinery. Can furnish A1 references. Address W. E. B., care HARDWARE, 275 Broadway, New York.

STORE MANAGER.—Position as manager or assistant manager in a retail Hardware store by a young man 24. Has had seven years' experience in Hardware, is thoroughly familiar with jobbers' prices. Would prefer position in a good, lively town in New York or Pennylvania. At references. For further particulars address Manager, Box 106, Little Falls, N. J.

Situations Wanted.

STORE OR TRAVELING SALESMAN.—Middle age, strictly temperate, experienced in retail Hardware, stoves and mill supplies. Competent to manage a business. Road experience in oils, mill supplies and other lines. Address H. K. F., care HARDWARE, 275 Broadway, New York.

Side Line Offered.

GOOD CHANCE for Hardware salesman to sell the "Argand" Lamp as a side line; liberal commissions. Address Argand VAPOR LAMP Co., Detroit, Mich.

HARDWARE SALESMEN.—To handle as a side line our labor. saving device, advertised elsewhere in this issue of HARDWARE-Liberal commission to good men. We furnish free to our agents a perfect working model, pocket size, which will lift 500 pounds. Address, DEPT. C. BURR MFG. Co., Cleveland, Ohio.

TRAVELING SALESMAN.—A young man, hustler, sober and reliable, would like to represent some manufacturer or well known jobber of cutlery in the States of North and South Carolina and Georgia. Saiary no object. Very best of references. Address ROBERT, P. O. Box 262, Raleigh, N. C.

TRAVELING SALESMEN visiting Hardware, Implement and General Store trade in the States east of Illinois, to handle on good and prompt commission a splendid profitable side line. Sales by photograph; two photos cover the line. Many salesmen in Western States are making a good profit by it. Address H. F. Brammer Mfg. Co., Davenport, Iowa.

For Sale.

HARDWARE STORE. 15 miles from New York City. Rare chance, price low. Address H. H. G., P. O. Box 410, New York City.

Agency Offered.

LIVE HARDWAREMEN.—We would like to hear immediately from a few live Hardwaremen who would like to be sole representatives in their towns, of a concern that is in the market for business, and have a line made for "men now on earth"—a modern line THAT CAN BE SOLD to your customers. Address "Box 88," care HARDWARE, 275 Broadway, New York.

Agency Wanted.

FOR NEW YORK AND VICINITY.—A gentleman now representing a first-class line of Hardware sold by the largest jobbers, would like to add one or more lines of importance for New York and vicinity. Best of references as to experience and ability. Address J. B., care HARDWARE, 275 Broadway, New York.

Mail Order Specialties.

LIGHT HARDWARE SPECIALTIES WANTED for a mail order business. Address The Mills Co., Cleveland, Ohio. 247

Attention, Manufacturers!

M. Y. PATRICK, Industrial Agent Seaboard Air Line Railway at Pinebluff, N. C., the well known winter health resort, offers building and power free to parties wishing to start manufacturing in? a small way with view of enlarging. No doubt many will accept this generous offer.





Polygon Conductor **Pipes** Won't Burst.

GET OUR PRICES BEFORE ORDERING

The twist in the corrugation checks the sudden fall of ice checks the sudden fall of ice and water, thus protecting the joints. It stands hard knocks because it is corrugated. Again, it is much handsomer than plain pipe. Made in copper and galvanized iron. Catalogue and information free.

Address Dept. H. THE

AMERICAN STEEL ROOFING CO.

Middletown, O.

UNDERHILL, CLINCH & CO.,

GENERAL HARDWARE, NEW YORK.

94 and 96 Chambers Street,

O. Ames & Sons Shovols, Spades and Scoops. Genova Tool Co. Hand Agricultural Tools.

We have the largest stock and assortment of this class of goods in New York City. SEND FOR CATALOGUES.

The Geo. Worthington Co. Hardware. Railway and Mill Supplies.

Saddlery and Carriage Goods.

> Guns, Bicycles and Sporting Goods....

Steam Fitters' and Plumbers' Supplies.

ELECTRICAL SUPPLIES, ETC.

CLEVELAND. O.



PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently prices necessary.

Subscribers are requested to notify us of any discrepancies, as

make this department of our paper worthy of their constant atten
The list prices, from which discounts are given, will always
the dealer upon request, by the manufacturer quoted.

Adzes-	Du Pont Rifle, FFFg, F. "Sea Shooting" Fg, in
Iouse Carpenters, Ogden's	1214 b Du Pont Rifle, FFFg, Fl "Sea Shooting" Fg, in
Ammunition—	"V. G. P." for Trap Sh
CAPS, PERCUSSION-\$2 1000-	in kegs, 25 fb
. M. C. Co., trimmed edge40c . M. C. Co., ground edge, heavy50c	in kegs, 1214 ib
leket, waterproof, 1-10's ouc	in kegs, 614, tb
D85c	Choke Bore, Nos. 5 an kegs, 25 b
m Fire Cartridges	Choke Bore, Nos. 5 and kegs. 1246 ib
n Fire Military	Choke Bore, Nos. 5 an
nt. Fire, Military and Sport-	Mealed Powder, in kegs.
nk Cartridges, 22 cal10&5% nk Cartridges, 82 cal10&5%	"V. G. P." for Trap Sh in kegs, 6½ th Choke Bore, Nos. 5 an kegs, 25 h Choke Bore, Nos. 5 an kegs, 12½ th Choke Bore, Nos. 5 an kegs, 6½ th Mealed Powder, in kegs, Shipping Powder, F, FF FFFFF and FFFFFF, in
nt. Fire, Military and Sport- ng	25 b
B. Caps, Con. Ball, Swgdnet	(A), C, F, FF, FFF, in kegs, 25 h
PRIMERS—	Mining and Blasting F (B), C, F, FF, FFF,
L. Caps (for Sturtevant Shells)5%, other Primers10%	in kegs, 25 b
SHELLS-	Du Pont Sporting Powder, 1000 to 10% discount: Du Pont Smokeless S
ret quality, 4, 8, 10 and 12 gauge 25% ret quality, 14, 16 and 20 gauge,	Powder ·
7.50	Kegs, equal in bulk in Black Powder Half kegs, equal in land
57.50	12% ID DIRCK LOMORI
imrose Club	Quarter kegs, equal in
gh Ball	Canisters, equal in 1 in Black Powder Du Pont Smokeles
mrose Ciub	Du Pont Smokeles
	Powder No. 1, equal to 1 ib Black Powder
SHELLS, LOADED—	Du Pont Smokelee Powder No. 2, equal
New Club," Black Powder40&5%	to 1 to Black Powder Du Pont U. S. 80 Smokeless Rifle I
mokeless "Nitro Powder, 40&10&10&5%	Smokeless Rifle I
cme," Dense Nitro Powder, 40&10&10&5%	Discounts on appli
40&10&10&55 [rap,''Nitro Powder40&10&10&55	PETERS PRIMERS— All Primers
GUN WADS-19 1000-	CARTRIDGES -
E., 11 up\$.60 E., 9 & 10	Peters Blank Cartridges:
B., 8	.82 C. F., \$5.50
E. 11 up 1.00 5	.22 cal. Rim. \$1.50
E., 9 & 10 E., 7	B. B. Cape, Round Ball
8HOT-	Central Fire
tham Bros., List June 11, 1900: \$\text{9} bag Drop Shot, sizes smaller than B,	Primed Shells and Bullets Rim Fire Sporting
\$1.85 Drop Shot, sizes smaller than B,	Rim Fire Military
5-75 bags	PETERS SHELLS—EM
25-15 bags 1.00	Peters Ideal, 10 and 12 gau "New Victor, 10, 12 and
Drop Shot, B and larger sizes, 5 to bags	" Quick Shot, 10, 12 and 1 " League, 10, 12 and 16 ga
Back Shot, 25-15 bags 1.60 Back Shot, 5 15 bags	PETERS SHELLS—LO
Chilled Shot, 25-th bags 1.60	Peters League, 10 and 1
Chilled Shot, 5-7b bags .40 Dust Shot, 25 7b bags 2.10 Dust Shot, 5-7b bags .50	"Quick Shot, 10, 12 and I Loaded with (Semi-Su
CANISTER POWDER-	Powder).
I. Du Pont De Nemours & Co.: In cases of 25 each. Each	Peters Referee, 10, 12 and Loaded with (Smokeles Peters New Victor, 10, 1
Crystal Grain, Nos. 1, 2, 8 and	gauge
Eagle Duck Shooting, Nos. 1, 2	" Ideal, 12 gauge
and 8, in canisters of 1 fb	GUN WADS— Peters B. E., 9 to 10
and 8, in canisters of 1/4 fb	" 10 to 20
ing, in canisters of 1 b	9&10
FFFg, in canisters of 1 ib25 On Pont Rifle, Fg, FFg and	11 to 20
Du Pont Rifle, Fg, FFg and FFfg, in canisters of 1 ib	9& 10
FFFg, in canisters of 1/4 lb12	" White Elastic, % in., 1
EEG POWDER—	9&10 11 to 20
Eagle Duck Shooting, Nos. 1, 2 and 3, in kegs, 25 b \$8.00	"Damp roof, per 1,000:
Eagle Duck Shooting, Nos. 1, 2 and 8, in kegs, 12% in 4.25	8
and 3, in kegs, 25 b	11 to 20
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in kegs.	9& 9&10
36.1 00 34.00	11 to 20

1

tions at which purchases can be ckages, frequently make higher	11 to 20 POWDE
	King's Smok
ny discrepancies, as we desire to heir constant attention.	Kegs (25the Half Kegs
given, will always be furnished	Quarter Ke Canister (1
noted.	King's Smok Half Kegs Quarter Ke
Dont Dide Price Fre and	Canister (1
Pont Rifle, FFFg, FFg and Sea Shooting" Fg, in kegs, 2.25	King's Semi- Keg, 25hs Half Keg, Quarter Ke
Pont Rifle, FFFg, FFg, and Sea Shooting "Fg, in kegs, 4 b	Half Keg, Quarter Ke
Sea Shooting Fg, in Regs,	1 % Can, bu King's Quick
4 fb	Kegs, 25 fb Half K. gs.
1. G. P." for Trap Shooting, kegs, 25 b	Marter Re 1 th Can, but King's Quick Kegs, 25 to Haif K.gs, Quarter Ke 1 th Can (2 1/2 th Can (2
. G. P. 10r Trap Shooting, kegs, 614 b 1.25	1∕2 th Can (2 Disco
egs, 25 fb	Animal l
egs, 12% ib \$.75	Iowa Farmin Hawkeye .
1.25 kegs, 6½ b	Western
pping Powder, F. FF, FFF,	Anti-Rat Fernald, Wir
bb 2.25	Burton's
ib	Steel Drive. Kohler's:
kegs, 25 b 2.25 ning and Blasting Powder,	Invisible, I Perfect, No
kegs, 25 h 2.25 ing and Blasting Powder, 3), C, F, FF, FFF, kegs, 25 h 1.50 ont Sporting Powder, for lots	Bolt Holde Anvils—
o in los discours.	American "I
Pont Smokeless Shotgun wder:	Armitage's M Cincinnati
legs, equal in bulk to 25 b Black Powder	Ragle Anvils Hay Budden Peter Wright
1214 to Black Powder 11.25	Samson
12½ fb Black Powder 11.25 narter kegs, equal in bulk to 6½ fb Black Powder 5.75	Trenton
anisters, equal in bulk to 1 to Black Powder 1.00 on Pont Smokeless Rifle	Cheney Anv.
ou Pont Smokeless Rifle Powder No. 1, equal in bulk	Holt's Millers Falls
Powder No. 1, equal in bulk to 1 to Black Powder 1.00 on Pont Smokelees Rifle	Augers a Boring Maci
Powder No. 2, equal in bulk to 1 to Black Powder 1.00 on Pont U. S. 30 Calibre Smokeless Rifle Powder,	Com. Auger Foretner Pat
Smokeless Rifle Powder, per ib	C. E. Jennin Double Sp
Discounts on application.	Nobles Do No. 10 Ext
PETERS PRIMERS— rimers\$1.10-1.1214	No. 10 Ext Car Bits, N
CARTRIDGES —	Car Bits, N Ring Auge Jennings' Pa
a Blank Cartridges:	Snell's Auge
C. F., \$5.50 10&5% C. F., \$7.00 10&5% cal. Rim. \$1.50 10&6%	Swan's: Jenning's
cal. Rim, \$2.75	
Caps, Round Ball 1.12-1.18	Jenning's l Jenning's Russell Jen
cal. Rim, \$2.75. 10&5% Caps, Con. Ball, Swgd. \$1.85-1.90 Caps, Round Ball. 1.12-1.18 ral Fire 25% l and Rifle 5.565% ed Shells and Bullets 15.65%	HOLLO
Fire Sporting	Ames Bonney's Ac
PETERS SHELLS—EMPTY—	Cincinnati N
rs Ideal, 10 and 12 gauge881/6&10%	Douglass' Hibbard's A
w Victor, 10, 12 and 16 gauge 15% lick Shot, 10, 12 and 16 gauge 25&5% ague, 10, 12 and 16 gauge 25&5%	Ives Millers Falls
PETERS SHELLS—LOADED (BLACK	Swan's Universal, es
POWDER)	EXPAN C R Jennin
ters League, 10 and 12 gauge.40&5% Quick Shot,10,12 and 18 gauge40&5% aded with (Semi-Smokeless	C. E. Jennin Clark's smal Clark's large
Powder).	Ives' Model, Swan's
ters Referee, 10, 12 and 16 gauge 40 & 5% aded with (Smokeless Powder). ters New Victor, 10, 12 and 16	DOUBL
gauge	Mayhew's D
GUN WADS-	Swan's C. E. Jennin
rs B. E., 9 to 10	Ladds Mayhew's
etor, 880c 9&1070c	Snell's Snell's Bell
11 to 20	BIT ST Cincinnati
rs B. E., 9 to 10 70c to 20 60c ctor, 8 80c 9&10 70c 11 to 20 60c E., 3\(\epsilon\) in 8 \$1.50 9&10 1.25 11 to 20 1.00 htte Elastic, 5\(\epsilon\) in , 125 in a box. 8 \$4.00	Cleveland W
nite Elastic, % in., 120 in a box.	Detroit K. & F
11 to 20	Swan's, for
8\$1.50	Syracuse, fo
8	Cleveland .
8	K. & F. Straig Morse Straig New Proces
9&10	Standard

	Garage and Ottomake Delline 184
" Nitro card: 8	Standard Oil Tube Drills
POWDER— King's Smokeless (Shot-gun).	8HIP AUGERS AND BITS— L'Hommedieu's15@15&10#
Kegs (25hs bulk) \$22.00 Half Kegs (12½hs bulk) 11.25 Quarter Kegs (6¼hs bulk) 5.75	Snell's
Canister (1th bulk) 1.00 King's Smokeless (Rifle) 11.25 Half Kegs (12) (10s bulk) 11.25 Quarter Kegs (6) (4 the bulk) 5.75	See Handles Awls—
Canister (1th bulk)	Handled Brad
Keg, 25hs bulk. 10.00 Half Keg, 13½hs bulk. 5.25 Quarter Keg, 6½hs bulk. 2.75 1 th Can, bulk. 2.75	Patent Peg. 50%
King's Qu'ck Shot (Black), Kegs, 25 bs	Handled Brad
1 lb Can (24 in case)	Awl and Tool Sets— Aiken's Awls and Tools: No. 10, \$\pi\$ doz. \$7.50; No. 20, \$\pi\$ doz.
Animal Pokes— Iowa Farming Tool Co.: \$\pi \text{doz.}{48.25}	\$10
Anti-Rattlers—	No. 42, \$10.50; No. 45, \$12.5070% Fray's Adj. Tool Hdls., Nos. 1, \$12; 2, \$18; 8, \$12; 4, \$9; 5, \$750% Ioe Awls
Fernald, Wire. 50&10% Burton's 50&10% Gem 60% Steel Drive. 40%	Nos. 1, \$12; 2, \$12; 4, \$12; 5, \$18. 15@15&10% C. E. Jennings & Co.'s Adjustable
Kohler's: 9gro. Invisible, No. 3 \$6.00 Perfect, No. 2 7.00 Bolt Holder, No. 1 9.00	Tool Handles
Anvils— American "Horse-Shoe" 98cc Armitage's Mouse Hole 94c	Axes— First quality, best brands\$6.50@7.00 First quality, other brands6.00@6.50
Armitage's Mouse Hole 92c Cincinnat 25&10x Eagle Anvils, \$\mathbf{B}\$ bc 15@15&5% Hay Budden, Wrought	Beveled, add %5c. \$\pi\$ doz. HATCHETS— Hunt's, Underhill's or Blood's40&10\$
Tremon	Peck's: Champion Blade
ANVIL AND VISE COMBINED— Chency Anvil and Vise	Broad Shingling and Claw Lath, Hunters', etc. M. C. Ogden's:
Augers and Bits—	Shingling, Claw, etc40&10# Handled Aves 408
Com. Auger Bits	Axle Grease—
Double Spar pattern car, No. 8050% Nobles Double Spar, No. 8250&10% No. 10 Extension Lip40% No. 10 Extension Lip Car Bit40%	Dixons' "Everlasting ": 1-tb box
Car Bits, No. 10	25-b keg
Ring Augers 70% Jennings' Pattern 50&10% Snell's Auger and Car Bits Swan's:	Chatillon's: Light, Class A
Jenning's Pattern Auger Bits, 50@50&10% Jenning's Pattern Car4% Jenning's Pattern Machine25%	Ice Balances, Class B
Russell Jennings' Augers and Bits. 25&10&21/45	Balances, Sash— Pullman's
HOLLOW ATGERS — 25&10x Manes	See Hangers. Barrel Drainers—
Douglass'	National
Ives	Japanned, each, \$7.50 25@30\$ Tinned, each, \$9.00 25@30\$ Bells—
EXPANSIVE BITS — C. E. Jennings & Co8316% Clark's small, \$18	HAND— Extra Heavy Brass
Clark's small, \$18	Pure Bell Metal. 55% Globe (Cone's Patent). 85% Silver Chime. 85% White Metal. 55%
Common	DOOR—
	Trip, Gem
Mayhew's 40&10% Snell's Snell's 40&10% Snell's Bell Hangers 50% BIT STOCK DRILLS—	
Cincinnati Tool Co., for wood, 40&10% for metal, 60% Cleveland Wood Bits for Brace50&10%	Common Wrought 75% Kentucky 70@70&10% Kentucky, Sargent's List 70% Texas Star 50% Western, Sargent's List 70%
Detroit	Bellows—
TWIST DRILLS-	Blacksmiths'
Cleveland 60&10% K. & F. Straight Shank 60&10% Morse Straight Shank 50&10% New Process 60&10%	Belting, Rubber— Boston Belting Co.: "Boston"
Standard	"Imperial," seamless stiched40%



Cleveland Rubber Co.: Price Each Buckeye	Bone Mills.	WROUGHT STEEL-	Cherry Stoners—
Shield High Grade 50 & 10%	Enterprise	List April 1, 1895.	Enterprise
War. 2 XL		Bronzed Inside Blind Butts50@50&10% Bronzed, Narrow50@50&10%	
Extra60&10&5\$	Borers, Bung.	Feet Joint Negrow	Chisel and File Handles— See Handles.
N. J. Car Spring & Rubber Co.: Extra Para40&10%	Enterprise	Fast Joint, Light Narrow Fast Joint, Broad. Loose Joint.	
Reliable	Nos 1 2 8		Chisels—
Staple	C. E. Jennings & Co.:	Loose Pin	80CKET FRAMING AND FIRMER— Buck Bros
	No. 10	- ·	Charles Buck
Belting, Stitched Cotton—	_	Calipers—	Douglass
Sphinx Brand	Borers, Tap— Common Ring20&10%	Bemis & Call: Wing65%	Ohio Tool Co
Competition Brand70%	Enterprise	Double	P. S. & W
Belts-	Ives	Inside and Outside65&10% Straight Leg65&10%	Witherby.
ENDLESS THRESHER-	Boring Machines-	Call's Pattern, Inside55%	Witherby
Four Ply, 6-in. net	WITHOUT AUGERS-	Can Openers—	Jennings & Griffin Mfg. Co
Four Ply, 7 in. net	Upright. Angular.		TANGED AND MISCELLANBOUS-
	Donglass'\$2.75 \$3.38 Jennings'8.00 8.75	American ₩ gross, \$1.75@\$2.00 Goodell's Acme ₩ gross, 6.00	Box
Bench Stops—	Millers Falls 7.50 15%	No. 5, Iron Handle # gross, \$2,00@2.25	Butchers'\$4.75@\$5.00 to £
Cincinnati	Snell's, Rice's Pat. 2.75 8.00	Sardine Scissors	C. E. Jennings & Co
2, \$11.0040&10%	Bow Pins-	₩ doz., \$4.50	Chisels and Gouges
Seymour Smith & Sons	Hotchkiss60&10%	Sprague, No. 1, \$2.00; No. 2, \$2.25; No. 8, \$2.50	Tanged Firmers' 40@40&10%
Terrell's Nos. 1 and 2, \$3.00; No. 3, \$3.00 № doz	Boxes, Mail.	Universal, \$2 doz., \$3.0050%	
Miller's Falls	Heller's	Cards—	COLD CHISELS— Good quality 29 th 18c@90e
W COLUL B			Good quality, % 1b
Binder Twine-	Box Strapping—	Cotton	Chucks-
White Sisal, 500 ft. to b 8c	Cary's "Universal," in case lots, 20&10@20&10&10≴	Wool	Beach Patent, each, \$8.0620%
Standard, 500 ft. to b 8c Manile, 600 ft. to b 10c	Braces-	Carpet Stretchers-	Cushman's:
Pure Manila, 650 ft. to ib 11c	Barbers'50&10@60&10%	-	Combination46% Independent50%
This was a second	Barbers'	Montross' "Excelsior," % dox., _ \$6.00	Morse's Adjustable, each, \$7.0025%
Bit Holders—	Ives':	Bullard's	Syracuse, Balz Patent30% Union Mfg. Co.:
Angular	Barbers' Retchet 80@80&10	Cast Iron Steel Points\doz.,80c Socket\doz.,\sq.\$1,75@\$2.00	Combination40%
Barber's, # doz. \$15.0045@50%	Barbers'		Independent40%
Ives' \$\psi\$ doz. \$20.0060&10%		Carriage Bolts—	Universal
Bit Stock Drills-	C. E. Jennings & Co.:	See Bolts.	Clamps—
See Augers and Bits.	Spofford.	Carriage Makers' Clamps—	Adjustable, Cincinnati25&10%
Blind Adjusters-	Lancaster Mach. & Knife Works404	See Clamps.	Adjustable, Hammers 20%
	Peck's (P. S. & W. Co.)50&10@60%	On many dament	Adjustable, Stearns'
Domestic. * doz. \$3.00	God: Spodord sj	Cartridges— See Ammunition.	Cabinet Makers or Quilt Frame, Sargent's
North's	Brackets-	See Animunition,	Sargent's
	Door Screen	Casters—	Carriage Makers', Sargent's 50@50&10%
Blind Fastenings and Tenons-	Shelf, Plain, Regular list	Bed	Carriage Makers', Stearus'50@50&10% Carriage Makers', P. S. & W. Co. 40&10
Austin & Eddy # gro. sets\$5.50 Forhan's Improved Star Tenon	Shelf, Fancy, Sargent's list40&10	French or Phila. Iron Wheel. 70&10@75%	Smith's:
₩ gro. \$1.00	Window Screen Corner60&10%	Brass Wheel 60&10≰	Eccentric
Holt's Tenons	Reading, Plain	Martin's Patent (Phœnix)	Splicing Tools
merriman s from Lever as gr 9 (in	Reading, Rosette60%	Payson's Furniture70%	Warner's40&10≴
	Bracket Saw Frames—	Payson's Truck	Cleaners, Sidewalk- \$\pi\ dos
Security Gravity & gr. \$9.00 Washburne's Plate & gr. 9.00 Zimmerman's	Millers Falls Co25%	Tucker's Patent, low list80%	Challenge Shank\$8.25
Zimmerman's50	Bracket Sets-	Cattle Leaders—	Star Shank 4.00 Star Socket 4.25
Blind Hinges-	Millers Falls Co831/6%	Humason, Beckley & Co.'s70&10%	
See Hinges.	Box Hooks, Openers and Scrap-	Peck, Stow & W. Co 66%	Clippers— HORSE—
Blocks-	ers—	Sargent s	
Chisholm & Moore Crane Load Blocks 15%	Humason & Beckley's60&60&10%		Chicago Flexible Shaft Co.'s: Chicago Belt Clipping Machine.
Cleveland Block Co. Steel 60&1000705	Bright Wire Goods-	Chain-	Each \$15.00 net New '98, ChicagoEach 8.75 net
Eddy's 60&10@70% Hariz' Steel 50@50&16%	Standard. New list80%	American Halter Chain50@50&10% American Proof Coil, Cask lots.	TOILET
Iron Strapped, Japanned Sheaves70%	Bull Rings—	F. O. B. Pittsburgh.	
Iron Strapped, Lig Vitae Sheaves 60% Rope Strapped, Japan'd Sheaves. 60&10%	Humason, Beckley & Co.'s80%	Inch. Per ib. 8-16 \$7.75	Chicago Flexible Shaft Co.'s: \$8 doz. Mascot \$8.40 net
L. V. Sheaves	Peck, Stow & Wilcox Co.'s	14 5.80	Monitor 9.00 net Stewart Pat 10.00 net
Lanes: Junior, Self Sustaining	Seymour Smith & Sons60%	5-16	
Pat. Automatic	Bull Punches-	% 4.00 7-16 8.85	Clips—
Perfect Safety	Humason & Beckley's25%	1/2 8.75 9.16 8.55	Norway Axle
Stowell, Novelty Block 50&10% Regular Iron Strapped Blocks	Bush Hooks-	% ····· 3.55	Superior Axle Clips60&10&10%
Bolts 60&10&10@70%	See Hooks.	\$6	Coffee Mills—
DOOR AND SHUTTER—	Butchers' Cleavers—	1 8.50	Box and Side50&10@60%
Cast Iron Barrel, Square, &c50&10	Bradley's	An advance of 25c. \$\frac{100}{25}\$ 100 to is added on orders of less than cask lots.	Enterprise Mfg. Co
Cast Iron Chain 50.6 100	Beatty's404	Bridgeport Chain Co.:	National Specialty Mfg. Co30% The Swift, Lane Bros. Co30%
Cast Iron Shutter Bolts	Foster Bros. Flat 1 ds 30% Foster Bros. Round Hds 80%	Brown, Coil	The Swift, Lane Bros. Co30% Waddel's New Box Mills10%
wrought Barrel70&10ka75&	Lancaster Mach. & Knife Wks.3314/2404	Competition Sash	Ideal Brand, New List60@60&10%
Wrought Square	. & I. J. White	Monarch, Sash	Coil Chain—
40&10&10@50&10₡	P. S. & W	Triumph, Halter	See Chain.
Wr't Sunk Flush, Sargent's list 50@50&10\$	Butcher Knives-	Triumph, Halter	Compasses, Dividers, &c.—
Wr't Sunk Flush, Stanley's list.	See Knives.	Covert Mfg. Co., Halter Chain Covert Mfg. Co., Heel Chain 35%	Athol Calipers and Dividers40
Wr't B. K. Flush, Com'n, Stanley's	Butchers' Saw Blades-	Covert Mfg. Co., Rein Chain	Bemis & Call Co.'s: Compasses
list	Millers Falls Co. Star15@15&10%	Galvanized Pump Chain446@5c	Dividere
Wrought Spring, Sargent's75%	C. E. Jennings & Co25&10%	Covert Mig. Co., Rein Chain. Covert Mig. Co., Rein Chain Covert Mig. Co., Stallion Chain Galvanized Pump Chain Galvanized Pump Chain 44,65c German Coil, liet July 24, '97 90&10s German Heles Chain liet Jul. 90.	Compasses, Calipers, Dividers.
CARRIAGE, MACHINE, &C	Butter and Cheese Triers-	German Halter Chain, list July 24, '97	70@70&10% Copeland's Extension
Bolt Ends	Ordinary Black Handle	Jack Chain, Iron	Stevens' "Ideal". 25&10% Stevens' "Leader". 25&10%
Carriage, Common	•	Jack Chain, Brass 60&60&10% Oneida:	Starrett's Fay's l'atent
Norway Iron, list Oct. '84	Butt and Rabbet Gauges-	Niagara60%	Spring Calipers and Div25&10%
Sleigh Shoe85%	Stanley's	Eureka	Wright's
TIRE-	Butts-	New List	Coopers' Tools—
American Screw Co.:	BRASS— Cast Brass Fast Joint 40 \$100 850	COW TIES-	Bradley's
Bay State, Plein list Dec. 98 '90 2214#	Cast Brass, Fast Joint40&10@50a Cast Brass, Ice House40%	American	Barton's
Bay State, Finted	Cast Brass, Loose Joint 40&10@505 Wrought Brass, list Sept. '96.40@40&5%	Niagara	L. & I. J. White20@20&5≰
Norway, Phila., list Feb 28, '98, 8914	CAST IRON—	Cotton45%	Sandusky Tool Co25&10@30&10% Shaves, Cincinnati Tool Co15@15&10%
Common, list Dec. 28, '99		Hemp45%	Corkscrews-
Portchester. Norway 771/25	Loose Joint 60&10&5@70% Loose Joint, Japanned 60&10&5@70%	Jute	Detroit Cork-Screw Co
STOVE AND PLOW-	Loose Joint, Jap. with Acorns 60&10&50@70%	Chain Guards—	Howe Bros. & Hulbert40%
Plow	Loose Pin	Aluminum S. & N. Co50	Humason & Beckley Mfg. Co 40&10≴ Samson
Stove, List Dec. 28, '99	Mayer's Hinges	Chain Hoists-	Williamson's40%
WISCELLANEOUS -	Fast Joint, Broad50kæ50&10≰		Corn and Fodder Compressor-
Sink75\$	Fast Joint, Narrow 50@50&10%	Moore's "Anti-Friction"80% Moore's "Direct"50%	J. B. Hughes', * dozen net \$3.00



	HARD	VV ARE	
Corn Hooks— # doz	Egg Beaters—	Forks-	Halter Chain—
Kretsinger Cut-Easy\$8.00 net	Dover Stamping Co.: New Dover, # doz. 75 cts., # gro.\$7.50	Steel Goods Association List, Aug. 1, 1899,	See Chain.
Corn Knives and Cutters— Bradley's	Extra Family Size 3 doz. 2.00	Barn or Ice Forks	Hammers— HANDLED HAMMERS—
net	Keystone 88144 Spiral 9 gro. \$4.25@\$4.50	Beet Forks	Humason & Beckley40&10%
Counterdinks— Mayhew's Diamond	Standard Co.: # gro. Dover, No. 5 \$5.50 Dover, No. 10 7.00	Coke and Cotton Seed Forks40&5%	Magnetic Tack, Nos. 1, 2, 8 \$1.25, \$1.50&\$1.75
Spell's	Dover, Steel Handle, No. 10 7.00 Dover, Extra Heavy, No. 1512.00	Size 66% Hay Header and Baler Forks, Four Tine 60% Manure Forks, Four Tine 75%	\$1.50&\$1.75. 40&10% H. & B., Tack 50&10% Maydole's 331/6.50/40%10% Peck, Stow & Wilcox 40@10&10%
Wheeler's Fatent 50&10%	Rival 9.00	Tine	A. E. Nail 40&10% Engineers and B. S. Hand 60&10%
Crayons—	Emery—	Manure Forks, Five and Six Tine70% Grain or Barley Forks70&10&2/4%	Sargent's New List
Sargent's List	Genuine Turkish Walpole Mills, No. 6 to 46, \$15	Heavy Mill, Manure or Street Forks. 75% Oyster Forks. 40&5%	Verree
Dixons: \$ gro. Bclipee \$8.75 Emerald 5.06 Oriole 5.06	No. 54 to 150, \$1 \text{b}	Potato Digging Forks	HEAVY HAMMERS AND SLEDGES-
Rainbow	Enameline— # gro.	Shaving Forks	Under 3 b % b 40c
Bond 7.50	No. 4	Sinice Forks	Wilkinson's Smiths914c@10c \$ 15
Curry Combs— Pitch's Listnet prices	No. 6 7.20	Socket Spading Forks, rour Tine,	Hammock Ropes—
Kohler's 30@85% New York Stamping Co. List, Sept.	Escutcheons-	Spading Forks	Covert Mfg. Co.: Jute
17, 97	Wood	Tanner's Forks	Sisal
Rubber, ♥ doz. \$7.50	Expansive Bits— See Augers and Bits.	Size	Hand Cultivators— Ulrich Mfg. Co.:
Cycle Hangers—	Farriers' Knives— \$\psi \text{doz}.	Tine	Овьогле'в \$\doz., \$15.00
Lane's881/4&5%	"Challenge"\$8 00	Size65%	Handles-
Diggers— See Post Hole, etc.	Popes	Fruit, Wine and Jelly Presses.	IRON, WROUGHT OR CAST— Chest Handles, Sargent's50&10≴
Dividers-	•	Enterprise	Chest Handles, Stearns' No. 1, Door
See Compasses, Dividers, etc.	Faucets— Brass Globe Cocks65@65&5%	Fry Pans -	or Thumb
Dog Collars— Chapman Mfg. Co.'s New List:	Brass Racking	Acme Fry Pans	50&10% Drawer Handles
Chain (full assortment) 40% Leather (full assortment) 40&10%	Compression Bibbs with flange 65&10@70%	Standard List	Ring Handles
Pope & Stevens: 40%	Lever Handle Bibbs, Gr. Ky. Rgh	왕 doz. \$3.00 \$3.75 \$4.25 \$4.75 \$5.25 No 5 6 7 8 왕 doz\$6.00 \$7.00 \$8.00 \$9.00	Shelf Box Haudles 65% Trunk Handles 60%
Embossed	Red Cedar40@40&10%		Tub Handles60&10%
Union Hardware Co. New List 50@50&10%	Red Cedar, bbl. lots	Fuse— # 1000 ft.	STORE DOOR HANDLES— Bronzed, with Cylinder Lock50%
Door Bolts-	John Sommer's "Peerless," Tin Key40% John Sommer's "Boss," Tin Key50%	Hemp Fuse\$2.60 Cotton Fuse	Bronzed
See Bolts, Door. Door Checks—	John Sommer's "Victor," Metal	Single Taped Fuse	Japanned, with Plate45&10% Japanned, without Plate45&10%
Bardsley's	John Sommer's 'Duplex.' Metal	Triple Taped Fuse 5.00	DOOR PULL-
Columbia	John Sommer's "Buckeye," Metal	Gate Hinges— See Hinges.	Bar
Home	John Sommer's "Rochester," Metal	Gauges—	Chest and Lifting
Ogden's	John Sommer's "Pivel" Metel Key 50%	Bemis & Call's Steel	Plain B. M
Empire50%	John Sommer's "Crescent," Metal Key 50&10%	Clapboard	Sash Pull Plates
Door Springs-	John Sommer's "Crescent," Metal Key	10 & 10%	Window Pulls 66%≰
Champion (Coil)	John Sommer 8 1. A. L., Cork	Stanley's	woon— Auger, assorted
Rubber, complete, \$\pi\$ doz. \$5.50.45\(\pi_50\)% Star (Coil), list Oct. '95	John Sommer's "Reliable," Cork	Starrett's Surface, Center and Scratch 25&10%	Auger, large
Torrey's Rod, 89 in., \$\pi\$ gro\$15.00 Torrey's Rod, 48 in., \$\pi\$ gro 42.00	John Sommer's "Common," Cork	Copeland Champion Bit, \$\pi \doz. \$2.00 net.	\$1.0 ; No. 2, \$1.40.60&10% Auger, Ives' Pat No. 1
Victor, Coil	John Sommer's "O. K.," Cork	Stubs' Wire and Drill	No. 2 to 3216
Drain Cleaners—	John Sommer's "Chicago," Cork	Wire, Wheeler, Madden & Co10%	\$1.00; No. 4, \$1.25
Iwan's Adjustable	John Sommer's "Perfection," Cedar.40% John Sommer's "No Brand," Cedar.	Gimlets—	Chisel, Worcester, Leather Cap'd 1.50 Disston's Crosscut
Drawer Pulls-	50&10≰	"Diamond" Gimlets, \$\text{9} \text{ gr\$4.00@\$4.25} Double Cut40&1: @50%	Firmer Chisel, Apple, assorted, ₹ gr.
Sargent's List60%	Star	Metal Head	\$2.25@2.50 Hammer, Hatchet, Axe, Sledge, etc.,
Drawing Knives-	SELF MEASURING—	Swan's, German Pattern40&10%	50&2% Hoe, Rake and Fork 60&10@60&10&5%
Adjustable Handle25@25&10% Bradley's85%	Enterprise % doz. \$36.00	Gimlet Bits— See Augers and Bits.	"Simplicity" File Handler, 7 gr. \$.90\\(\alpha 1.50\)
Douglass	National Specialty Mfg. Co89165	Glass Cutters—	\$.80\\(\pi\)1.50 Saw and Plane
Mix	Files— DOMESTIC—	"Woodward"net prices "Red Devil"net prices	50@50&10% CROSS-CUT SAW HANDLES
P. S & W	New List, Nov. 1, 1899.		Atkins
Watrous	American	Globe and Racking Cocks— See Faucets.	Hangers—
Drills and Drill Stocks-	J. Barton Smith	Glue—	American Trackless 891/4&20%
Automatic Boring Tools	Disston's Superfine	Dodd's Liquid Glue25&25&10% Le Pages Liquid25&25&10%	Barn Door, old pattern
Biacksmiths'	Great Western	Mystic	Best Anti-Friction
Reeset (Condell's 95/090st	Keystone	Glue Pots-	Cronk's Roller Bearing. No. 0\$4 50 net per dozen.
Breast, Millers Falls, each \$8.00.15&10% Clamp	Nicholson's X. F. Files	Enameled	No. 4 5.50 "
Ratchet, Ingersoll's 25% Ratchet, Merrill's 20@20&5%	Second Quality Files80&10%	Graters—	No. 5 6.50 60&10&5% Cronk's Steel covid Loose Avis 60&5%
Ratchet, Moore's Triple Act25@30% Ratchet, Fletcher's	StubsStubs' list, 30@33145	Enterprise25@80%	Cronk's Steel, cov'd, Loose Axle. 60&5% Coburn
Ratchet, Whitney's	Filters—	Griddles— Cronk's70%	Duplex (Wood Track)60&10&5% Kidder's
Stearns' Bench	Acorn536	Grindstone Fixtures—	Lane's Barn Door: Barn Door, Standard60&10%
Hand, Goodell's	Fulper's Natural Stone\$3.50@\$13.50 Subject to trade discount.	P., S. & W. Co50@50&10% Sargent's Patent60&10&10%	Covered
Adjustable No. 10, \$12.00	Fish Hooks-	8towell50%	No. 50
TWIST DRILLS-	Amer. Fish Hook Co. list 60@60&10%	Gunpowder-	Standard 29 set net \$3.2500
See Augers and Bits. BLACKSMITHS'	Kirby & Limerick, low list (50c base). 10%	See Ammunition. Gun Wads—	Ball Bearing 4.00@ — New Model 4.00@ — New Chempion 2.40@ —
Coe's	Fish Scalers— Covert's Saddlery Works:	See Ammunition.	New Model
	Great American 60&20% Fitch'snet prices	Hafts— Britton's	\$18.00; No. 1 Special, \$15.00, \$60&10%
Drug Mills— National Specialty Mfg. Co30%	Fluting Scissors—	Halters—	Richards' Single Track, Steel40&10% Richards' Anti-Friction50%
Enterprise Mfg. Co25@90%	List45≴	Covert Mfg. Co: Jute Rope Halters	Victor, No. 1, \$15.00; No. 2, \$20.00; No. 8, \$25.00; No. 4, \$35.00.60&10&2165
Easy Lawn Swings— # doz. Ulrich Mfg. Co	Forges— .	Sisal Rope	Warner's Patent
олиси жиg. Со, эло.ии	Boynton & Plummers60%	V7 CV II. ALIANCE C	WINDOW S MOW COMPANY SUCCIORIUS

Cleveland Rubber Co.: Price Each	Bone Mills.	WROUGHT STEEL-	Cherry Stoners—
Buckeye	Enterprise	List April 1, 1895.	Enterprise
War. 2 XL		Bronzed Inside Blind Butts50@50&10% Bronzed, Narrow50@50&10%	-
Extra	Borers, Bung. Enterprise	Fast Joint, Narrow	Chisel and File Handles— See Handles,
N. J. Car Spring & Rubber Co. : Extra Para40&10%	Each \$1.25. \$1.65. \$2.50	Fast Joint, Broad	Chisels—
Staple	Nos 1 2 8 C. E. Jennings & Co.:	Loose Pin	BOCKET FRAMING AND FIRMER—
Standard70&10\$	No. 6 40% No. 10 25%	Table Butts, Back Flaps, etc	Buck Bros
Belting, Stitched Cotton-		Calipers—	Douglass
Sphinx Brand	Borers, Tap— Common Ring20&10%	Bemis & Call: Wing65%	MixOhio Tool Co
Competition Brand70%	Enterprise	Double	P. S. & W
Belts—	Ives	Inside and Outside65&10% Straight Leg65&10%	Witherby.
FOUR Ply, 6-in. net	Boring Machines—	Call's Pattern, Inside55%	Witherby
Four Ply, 7 in. net foot 14c	WITHOUT AUGERS— Upright. Angular.	Can Openers—	TANGED AND MISCELLANEOUS-
Four Ply, 8 in. net	Douglass'\$2.75 \$3.38 Jennings'8.00 8.75	American	Box
Bench Stops—	Millers Falls 7.50 15%	No. 5, Iron Handle₩ gross, \$2.00@2.25	Butchers'\$4.75@\$5.00 to £
Cincinnati	Snell's, Rice's Pat. 2.75 8.00	Sardine Scissors	C. E. Jennings & Co
2, \$11.00	Bow Pins—		Chisels and Gouges
Terrell s Nos. 1 and 2, \$3.00; No. 8, \$3.00 \$9 doz	Hotchkiss60&10%	Sprague, No. 1, \$2.00; No. 2, \$2.25; No. 3, \$2.50	Tanged Firmers'
Miller's Falls	Boxes, Mail.		COLD CHIBELS—
Weston's40%	Heller's	Cards—	Good quality, \$\forall b
Binder Twine—	Box Strapping— Cary's "Universal," in case lots,	Cotton 25% Horse and Curry 25%	Chucks—
White Sisal, 500 ft. to ib 8c Standard, 500 ft. to ib 8c	20&10@20&10&10x Braces—	Wool 25%	Beach Patent, each, \$8.0620# Cushman's:
Manila, 600 ft. to b 10c Pure Manila, 650 ft. to b	Barbers'50&10@60&10%	Carpet Stretchers-	Combination
	Barbers' Ratchet	Montross' "Excelsior,"% doz., \$6.0080%	Independent
Bit Holders—	Ives':	Bullard's	Syracuse, Balz Patent30% Union Mfg. Co.:
Angular45% Extension:	Barbers' Ratchet 60@60&10%	Cast Iron Steel Points \$\(\) doz \$\(\) c Socket \$\(\) doz., \$\(\) 1.75@\$\$2.00	Combination40%
Barber's, \$ doz. \$15.0045@50\$ Ives' \$ doz. \$ 20.0060&10\$	New Haven Novelty	Carriage Bolts-	Independent
Bit Stock Drills-	Spofford60&54	See Bolts.	Victor, No. 1, \$8.50; No. 2, \$12.50.25
See Augers and Bits.	C. B. Jennings & Co.: No. 108@11414	Carriage Makers' Clamps—	Clamps
Blind Adjusters—	No. 208/6@214/6	See Clamps.	Adjustable, Cincinnati25&10% Adjustable, Hammers20%
Domestic doz. \$3.00 88144	Peck's (P. S. & W. Co.) 50&10@60% Gen. Spofford's, 50&10@60%	Cartridges—	Adjustable, Stearns'. 30% Mallcable, Stearns'. 75% Cabinet Makers or Quilt Frame, Sargent's 50% Carpenter's, Cincinnati. 25&10%
Excelsion . \$\pm\$ doz. \$10.00 50&10&2% North's	Brackets-	See Ammunition.	Cabinet Makers or Quilt Frame,
Zimmerman's50%	Door Screen	Casters—	Carpenter's, Cincinnati25&10%
Blind Fastenings and Tenons-	Shelf, Bradley's Patent	Bed70%	Carriage Makers', Sargent's 50@50&10% Carriage Makers', Stearns', 50@50&10% Carriage Makers', P. S. & W. Co. 40&10
Austin & Eddy & gro. sets\$5.50 Forhan's Improved Star Tenon	Shelf, Fancy, Sargent's list40&10	Bracket Bed	Carriage Makers', P. S. & W. Co. 40 & 19 Smith's:
₽ gro. \$1.00	@50&5% Window Screen Corner60&10%	Brass Wheel	Eccentric 25% Spucing 25%
Holt's Tenons	Reading, Plain 60% Reading, Rosette 60%	Plate	Splicing Tools
Merriman's Iron Lever & gr 9.00 Millers Falls & set \$1.00	Bracket Saw Frames—	Payson's Furniture	Warner's
Security Gravity & gr. \$9.00 Washburne's Plate & gr. 9.00	Millers Falls Co	Standard, Ball Bearing45% Tucker's Patent, low list80%	Cleaners, Sidewalk— \$ doz Challenge Shank
Zimmerman's 50_{c}	Bracket Sets-	Cattle Leaders—	Star Shank 4.00
Blind Hinges—	Millers Falls Co	Humason, Beckley & Co.'s70&10%	Star Socket 4.25
See Hinges.	Box Hooks, Openers and Scrap-	Peck, Stow & W. Co	Clippers— Hors s —
Blocks-	ers— Humason & Beckley's60&60&10%	Weltons	Chicago Flexible Shaft Co.'s:
Chisholm & Moore Crane Load Blocks 15% Cleveland Block Co. Steel60&10@70%	Bright Wire Goods—	Chain—	Chicago Belt Clipping Machine, Each \$15.00 net
Edda's excess	Standard. New list80%	American Proof Coil, Cask lots.	New '98, ChicagoEach 8.75 net
Hariz Steel. 500.60% 10% Iron Strapped, Japanned Sheaves. 70% Iron Strapped, Lig Vitae Sheaves. 60% Rope Strapped, Japan'd Sheaves. 60% 10%	Bull Rings—	F. O. B. Pittsburgh.	TOILET Chicago Flexible Shaft Co.'s: % doz.
Rope Strapped, Japan'd Sheaves. 60% 10%	Humason, Beckley & Co.'s80x	Inch. Per p. 8-16 \$7.75	Mascot \$8.40 net
L. V. Sbeaves	Peck, Stow & Wilcox Co.'s60% Sargent's80%	14	Monitor
Junior, Self Sustaining80%	Seymour Smith & Sons60%	\$6 4.00	Clips—
Pat. Automatic 30% Perfect Safety 30% Stowell, Novelty Block 50&10%	Bull Punches— Humason & Beckley's25\$	7-16	Norway Axle
Regular Iron Strapped Blocks	Bush Hooks—	9-16	Superior Axle Clips60&10&10%
Bolts— 60&10&10@70g	See Hooks.	\$	Coffee Mills—
DOOR AND SHUTTER-	Butchers' Cleavers—	1	Box and Side
Cast Iron Barrel, Square, &c50&10x Cast Iron Chain50&10x	Bradley's	orders of less than cask lots.	Enterprise Mfg. Co25@30 Logan & Strobridge Conet prices National Specialty Mfg. Co
Cast Iron Shutter Bolts 45& 105	Beatty's	Bridgeport Chain Co.: Brown, Coil	National Specialty Mfg. Co
Ives' Patent Door Bolts	Lancaster Mach. & Knife Wks.3314@404	Brown, Halter	Waddel's New Box Mills
Wrought Square	& I. J. White	Monarch Sash 40&10	Coil Chain—
Wr't Sunk Flush, Sargent's list	P. S. & W881/8&5%	Triumph, Coil 55% Triumph, Halter 55% Covert Mfg. Co., Breast Chain Covert Mfg. Co., Halter Chain	See Chain.
50/∂50&10≰	Butcher Knives-	Covert Mfg. Co., Breast Chain	Compasses, Dividers, &c.—
Wr't Sunk Flush, Stanley's list. 45@45&10%	See Knives.	Covert Mfg. Co., Heel Chain	Athol Calipers and Dividers40 Bemis & Call Co.'s:
Wr't B. K. Flush, Com'n, Stanley's list	Butchers' Saw Blades— Millers Falls Co. Star15@15&10x	Covert Mfg. Co., Stallion Chain.	Compasses
Wrought Spring, Sargent's75≴	C. E. Jennings & Co25&10%	German Con, het July 24, 97 but 10%	Compasses, Calipers, Dividers,
CARRIAGE, MACHINE, &C	Butter and Cheese Triers-	German Halter Chain, list July 24, '97 60&104	Copeland's Extension
Bolt Ends	Ordinary Black Handle	Jack Chain, Iron	Stevens' "Ideal" 25&10% Stevens' "Leader" 25&10%
Carriage, Common	Butt and Rabbet Gauges-	Onelda: Niagara	Spring Calibers and Div25&10\$
Phila., Eagle, list June 1, '9980% Sleigh Shoe85%	Stanley's25&10%	Eureka	Wright's
TIRE	Butts-	Trace, Wagon and Fancy Chains, New List50&10@50&10&5%	Coopers' Tools—
American Screw Co.:	Brass.— Cast Brass, Fast Joint40&10@50a	COW TIES-	Bradley's
Bay State, Plain, list Dec. 28, '99.7714% Bay State, Finted	Cast Brass, Ice House	American	Restry's \$21.2d
Eagle Phila., list Feb. 26, '96 87% Norway, Phila., list Feb. 26, '96 82168	Cast Brass, Loose Joint 40&10@50% Wrought Brass, list Sept. '98.40@40&5%	Niagara	L. & I. J. White
Common, list Dec. 28, '99	CAST IRON-	Cotton	Shaves, Cincinnati Tool Co15@15&10%
Norway, Phila 8216% Portchester. Norway 7716%	Loose Joint 60&10&5@70% Loose Joint, Japanned. 60&10&5@70%	Jute	Corkscrews— Detroit Cork-Screw Co
STOVE AND PLOW-	Loose Joint, Jap. with Acorns 60&10&5@70\$	Chain Guards—	Howe Bros. & Hulbert40x
Plow	Loose Pin	Aluminum S. & N. Co50	Humason & Beckley Mfg. Co. 40&10% Samson & doz \$10.00
MISCELLANEOUS -	Mayer's Hinges	Chain Hoists-	Williamson's40\$
Sink	Fast Joint, Broad	Moore's "Anti-Friction"80% Moore's "Direct"50%	J. B. Hughes', \$\varphi\$ dozen net\$8.00



Egg Beaters— Dover Stamping Co.: New Dover, \$\pi\$ doz. 75 cts., \$\pi\$ gro.\$7.50 Extra Family Size \$\pi\$ doz. 2.00 Keystone	Forks— Steel Goods Association List, Aug. 1, 1899. Barn or Ice Forks	Halter Chain— See Chain, Hammers—
New Dover, # doz. 75 cts., # gro. \$7.50 Extra Family Size # doz. 2.00 Keystone	1, 1899. Barn or Ice Forks40&5≴	Hammers-
Extra Family Size doz. 2.00 Keystone	Barn of Ice Forks 40&5%	
Keystone	Ballast or Stone Forks	
DDIFAL SHOTO WA VIVOWS NI	Beet Forks40&5%	HANDLED HAMMERS-
Standard Co.:	Coal Forks	Humason & Beckley40 Magnetic Tack, Nos. 1, 2, 8 \$1.5
Dover, No. 5	Coke and Cotton Seed Forks40&5%	\$1.50&\$1.7540
Dover, Steel Handle, No. 10 7.00	Size	H. & B., Tack
Dover, Extra Heavy, No. 1512.00	Hay Header and Baler Forks, Four	Peck, Stow & Wilcox 40@40
14441 9.00	Manure Forks, Four Tine75%	A. E. Nail
Emery—	Manure Forks, Five and Six Tine70%	Sargent's New List45@45
Genuine Turkish Walpole Mills,	Heavy Mill, Manure or Street Forks. 75%	Verree 50 Warner & Noble's New List
No. 54 to 150, 39 lb	Oyster Forks	HEAVY HAMMERS AND SLEDGES-
Flour, # 1b 8c)	Potato Scoop Forks	
Enameline # 370.	Shaving Forks	Under 8 b
	Socket Hay Forks Four Tine 66% & 5%	Wilkinson's Smiths916c@10
No. 6	Socket Manure Forks, Four Tine70%	
	70&5&5&2}	Hammock Bopes—
	Spading Forks	Covert Mfg. Co.: Jute
Wood25%		Sisal
Expansive Bits-	Hay Forks, Three Tine, Standard	Hand Cultivators-
See Augers and Bits.	Day Unedor and Balar Forks Three	Ulrich Mfg. Co.:
Farriars' Knives 3 doz	Tine 671/4&21/45	Osborne ⁷ s 🍪 doz., 🧣
	Size 65%	Handles-
Popes		IRON, WROUGHT OR CAST-
Wikinson's \$8.(0 net Wostenholm's \$25 10		Chest Handles, Sargent's50
	Enterprise	Chest Handles, Stearns' No. 1, Do
Faucets—	Fry Pans –	or Thumb
Brass Racking 65@65&5%	Acme Fry Pans	₹ doz\$.90 \$1.00 \$1.08 \$1.85
Compression Bibbs65@65&10%	Burnished, regular goods75@75&10%	Drawer Handles
Compression Bibbs with flange	Standard List70210@755	Ring Handles
Lever Handle Bibbs, Gr. Kv.	₩ doz. \$8.00 \$8.75 \$4.25 \$4.75 \$5.25	Shelf Box Haudles
rgh	No 5 6 7 8 doz \$6.00 \$7.00 \$8.00 \$9.00	Trunk Handles
Red Cedar	_	
	Fuse— ** 1000 ft.	STORE DOOR HANDLES- Bronzed, with Cylinder Lock
John Sommer's "Peerless," Tin	Hemp Fuse \$2.60	Bronzed 50@50
Key40%	Cotton Fuse 2.90	Bronzed 50@5 Japanned, with Nuts
John Sommer's "Victor," Metal	Double Taped Fuse 4.20	Japanned, with Plate4 Japanned, without Plate4
Key	Triple Taped Fuse 5.00	DOOR PULL-
Key	Gate Hinges—	Bar00@6
John Sommer's "Buckeye," Metal	See Hinges.	Barn Door
John Sommer's "Rochester," Metal	Gauges—	Drawer Pulls 50&1
Key	Bemis & Call's Steel50%	Plain B. M
John Sommer's "Crescent," Metal	Ross Screw Pitch	Sash Pull Plates
Key	Marking, Mortise, etc., bootingsoo	Sash Pulls
John Sommer's "Eclipse." Lock. 40%	10&10%	
John Sommer's "Union," Lock. 50%	Stanley's Chical 20&10%	WOOD—
Lined		Auger, assorted \$\text{9} \text{ gr. \$2.25} \text{Auger, large }\text{9} \text{ gr. \$3.00}
John Sommer's "Reliable," Cork	Scratch	Auger, large
John Sommer's "Common." Cork	30.00 Her.	\$1.0 ; No. 2, \$1.40.6 Auger, Ives' Pat., No. 1
Lined	Stube' Wire and Drill20%	No. 2 to 821/4 Auger, Swan's Pat., # set, No.
John Sommer's "O. K.," Cork	Wire, P. S. & W., low list 10& 10%	\$1.00; No. 4, \$1.25
John Sommer's "Chicago," Cork	Wire, Wheeler, Madden & Co10%	\$1.00; No. 4, \$1.25
John Sommer's "Perfection." Cedar 40\$	Gimlets—	
John Sommer's "No Brand," Cedar.	"Diamond" Gimlets, \$9 gr\$4.00@\$4.25	File, assorted # gr. \$1.22 Firmer Chisel, Apple, assorted, #
50&10% Stor 60@60&54	Double Cut	
	Wood Head 50%	Hammer, Hatchet, Axe, Sledge, e
SELF MEASURING-	Swan's, German Pattern40&10%	Hoe, Rake and Fork 60&10@60&
Enterprise % doz. \$36.00	Gimlet Bits-	"Simplicity" File Handler, & gr.
National Specialty Mfg. Co8344	See Augers and Bits.	\$.90 Saw and Plane
	Glass Cutters-	Shovel and Spade, Wood D. Hand
		50@5
DOMESTIC-	"Red Devil"net prices	CROSS-CUT SAW HANDLES
New List, Nov. 1, 1899.		Champion
Arcade 75&5%	•	Hangers—
J. Barton Smith		American Trackless231
Disston's Superfine		Barn Door, old pattern
Eagle	Le Pages Liquid	Barn Door, New England66 Barry, \$6.00
Great Western	Mystic40%	Best Anti-Friction
Keystone 80@80&10		Challenge Barn Door
Nicholson's X. F. Files		No. 0
Royal 80@80&10%	Tinned	No. 4 5.50 " No. 5 6.50 "
* *	Graters—	· 60&
IMPORTED—	Enterprise	Cronk's Steel, cov'd, Loose Axle.
StubsStubs' list, 30@331/65	•	Davis Parlor Door50@
Filters—		Duplex (Wood Track) 60& Kidder's50@5
Acora		Lane's Barn Door:
Fulper's Natural Stone \$8.50@\$18.50		Barn Door, Standard6 Covered50&10&
Subject to trade discount.	Sargent's Patent60&10&10%	Special
Fish Hooks-	Stowell50%	No. 50
Amer. Fish Hook Co. list60@60&10≴	Gunpowder-	Standard West not \$9.950
Kirby & Limerick, low list (50c base). 10%	See Ammunition.	Ball Bearing " 4.000
Fish Scalers—	Gun Wads-	New Champion " 2.400
	See Ammunition.	Manhattan
Covert's Saddlery Works:		
Great American 60&20%	Hafts—	\$18.00; No. 1 Special. \$15.00.
	Hafts— Britton's	\$18.00; No. 1 Special, \$15.00, dozen pairs
Great American 60&20% Fitch's net prices Fluting Scissors—		Richards' Single Track, Steel4
Great American 60&20% Fitch's net prices	Britton's	New Model 2.708 New Champion 2.400 Manhattan McKinney's "None Better," No. \$18.00; No. 1 Special, \$15.00, dozen pairs 4 Richards Single Track, Steel 4 Richards' Anti-Friction Victor, No. 1, \$15.00; No. 2, \$20. No. 3, \$25.00; No. 4, \$35.00.604.1
	Genuine Turkish Walpole Mills	Second Profession 1.00 1



Harness Snaps—	Special Hoes	Lyra, all sizes914c net	Lawn Sprinklers—
See Snaps.	Special Mortar Hoes 40&10&24\$ Sunhem Meadow Hoes 75&5&24\$	Maud S 25c 23c 22c 21c 21c 50% Neponset	Enterprise
Hasps and Staples— McKinney's "Perfect," \$1.10 % doz.50%	Toy Ladies' and Boys' Hoes. 70&10&10%	Northwestern 25c 23c 22c 21c 20c 25@25&5%	Philadelphia Lawn Mower Co.:
Wrought	Truck Hoes 50&10&2% Warren Hoes 60% Weeding Hoes and Rakes .75%	Putnam	Philadelphia Lawn Sprinkler: No. 1. No. 2. No. 8. # doz. \$12.00 \$15.00 \$24.0080%
Hatchets— See Axes.	Hollow Augers—	Horse Shoes—	Leaders Covert Mr. Co. Cattle
Hay Hooks-	See Augers and Bits.	Horse and Mule, per keg	Covert Mfg. Co. Cattle
Humason & Beckley 60&10%	Hollow Ware— RNAMELED—	Bryden, Phœnix, Perkins, &c 3.75 Diamond State, Shoenberger, Cres-	Lead Pipe, full lengths
Hay Racks—	Agate Nickel Steel Ware, list July,	cent, &c\$8.75&5% Factory Shipments,	Lead Pipe, cut lengths 64c Lead Pipe, Tin Lined 124c
Baxter Wrought Iron, No. 1, \$1.00, _uet; No. 2, \$1.50, net.	1899	Horse Ties—	Sheet Lead, full rolls
Hay and Straw Knives-	Jan. 2, 1895	Covert Mfg. Co.: Cotton	Sheet Lead, cut rolls
Auburn Hay, Com. and Spear Point .50% [wan's Hay, Sickle Edge, & doz. net \$10	Second Quality, Granite, 70&10@70&10&10%	Hemp. 45% Jute. 85%	Lemon Squeezers—
wan's Hay, Imp. Serrated \$\text{0 doz.} \\ \text{net.} \text{\$10.50}	Iron Clad: Peppered Ware, high list	Sisal	Berger Bros. # doz. 8-in. \$1.00; 10-in, _ \$1.40
Auburn Straw	Mottled Ware, high list	Hose, Rubber—	Dean's, Nos. 1, # doz. \$8.50; 2, \$3.85; 8, \$1.65; Queen, \$2.50, net
Wadsworth's40%	STOVE HOLLOW-WARE-	Boston Belting Co.:	Hotchkiss, Straight Flush, # doz. \$9.60 Jennings' Star # doz. \$1.90@2.00
Hinges—	Ground	Competition	Little Giant. 50@50&54 Porc. Lined, Iron. \$3.25@\$3.50
WROUGHT IRON HINGES— Rolled Blind Hinges, Nos. 32 and 84,	WHITE BNAMELED-WARE-	N. J. Car Spring & Rubber Co.: Extra Para	Porc. Lined, Wood 8 doz. \$6.00 80&10@40\$
50&10% Rolled Plate	Boilers and Saucepans50@50&10% Maslin Kettles70&10@75&5%	Reliable	Wood, Common, # gross, No. 0, \$5.00; No. 1, \$6.50; No. 2, \$10.00.
∫ 6 to 12 in., ₩ 16,	Tinned Boilers and Saucepans, 50@50&10\$	Standard	Letter Box Plates-
3@81.c. Screw Hook 14 to 20 in., ₩ ib, and Strap, 23/@31.c.	SILVER-PLATED-	Ice Awls, Chippers, &c.—	Name Door Plate50@50&10g
22 to 36 in., \$9 fb,	4 mo, or 5% cash in 80 days. Hartford Silver-Plate Co	Copeland Ice Pick ≥ gr. \$9.00 net Crownnet	Name Plate
21/2@8c.	Holmes & Edwards Silver Co.40&15&5% Meriden Britannia Co	Gem Ice Shavenet Sargent's Ice Awis	Sargent's
New List, March 15, 1601.	Rogers & Brother40&5%	Snell's 50% Star net	Levels— C. E. Jennings & Co.'s:
Light Strap	Simpson, Hall, Miller & Co40&5% William Rogers Mfg. Co40&10%	Ice Cream Freezers	C. E. Jennings & Co.'s: Hexagon
Light T	Hooks	See Freezers, Ice Cream.	Lifters—
Long Chest	AGRICULTURAL—	Ice Shredders—	See Transom Lifters.
Hinge Hasps and Staples 60% E Crate Hinges 75% E	Potato, all kinds	Enterprise, No. 83.39 doz. \$6.0025@30%	Lines— Cotton and Linen Fish, Draper's50
Crate Hinges	Iowa F. T. Co.'s Clam60&10&21	No. 84. \$\pi\$ doz. 15.0025@80%	Cotton Chalk, 20 feet
Japanned Light Strap	BUSH— Jennings & Griffin's88⅓ &5≴	Jack Chain— See Chain.	Cotton Trot
Janannad Heavy Stran Koltolese	corn—	Jack Screws—	Colored Cotton
Japanned Light T .60% Japanned Heavy T .50&10&5% Japanned Extra Heavy T .55%	Kretzinger Cut-Ezy₩ doz. \$8 net	See Screws.	Samson Cotton, No. 4, \$2.00; No. 434
Japanned Hinge Hasps	CAST IRON—	Kettles—	Flax
Japanned Crate Hinges	Bird Cage, Sargent's list60&10&10% Bird Cage, Reading60@60&10%	Spun Brass, Plain	No. 1, \$6.50; No. 2, \$7.00; No. 8, \$7.50 @ gross
65&10≴ Galvanized Hinges with Brass Pins,	Bird Cage, Williamson	Metal10@15%	White or Drab Cot. ₩ doz. \$7.50 \$0\$
60&10%	Chandelier	Knives— Ames':	Wire Clothes, 100 feet, No. 18, \$2.25; No. 19, \$2.00; No. 20, \$1.75.
Bommer's Brothers. Bommer Spring Hinges40%	Coat and Hat, Sargent's list50&10% Coat and Hat, Reading60&10%	Bread Knives, \$\pi\$ doz \$1.5020% Butcher Knives	Loaded Shells—
Bommer B. B. Floor Hinges	Coat and Hat, Stowell's	Shoe Knives 25% Cronk's Chopping 331%	See Ammunition. Locks—
Chicago	Lamp. 55% Picture 75%	Dunlap Kitchen and Bread Knives. 25% Foster Bros.' Butcher, &c30%	DOOR LOCES, LATCHES, &C.
Bronze Metal	Screw Hat	Goodell's: Bread Knives Ass'n listnet	Branford Lock Co net prices Champion Night Latches40
Japanned Surface, Double 60&10% Mortise	WROUGHT IRON AND STEEL-	Butchernet Shoe Knives40%	Lockwood Mfg. Co
Model	Cotton Pat. (N. Y. Mallet & Handle	E. Hartzell's	Norwalk Lock Co
Tuscan Surface, Double60&10% Vigilant60%	Works). 20% Hammock Hooks, E. C. Stearns, \$\partial \text{doz}. 50c Picture, T. & S. Mfg. Co. 75%	Table and Pocket, see Cutlery. Wilson's Butcher Knivesnet	R & E. Mfg. Co
Union Spring Hinge Co.'s List, March, 1894 20%	② doz	Knives, Hay and Straw-	Sargent & Co
Union Mfg. Co. 25% Wiles', No. 1, \$\pi gr., \$16.00; No. 2,	Tassel, T. & S. Mfg. Co 50&10% Wrought Staples, Hooks, &c.	See Hay Knives.	CABINET-
GATE HINGES—	See Wrought Goods.	Knobs—	Eagle Lock Co
Clark's, Nos. 1, 2, 3 50&10@60&10c	Enterprise40%	Bardsley's Wood Door, Shutter and Base	Yale
N. E., \$\psi \doz. \$7.80 \\ N. E., Reversible, \$\psi \doz. \$5.60 \\ 0%	Humason & Beckley80&10%	Base	PADLOCKS— Acme Bicycle and Satchel. ** doz
N. Y. State, \$\(\text{doz. \$4.90} \) 60% Shepard's, Nos. 1, 2, 860&10%	WIRE— Atlas Coat and Hat	Door Mineral, R. & E. list50% Door Por. Jap'd, "50%	Acme Bicycle and Satchel, # doz., \$9.00
Western, \$\psi\$ doz. \$4.2060% BLIND HINGES—	Belt	Door Por. Nickel, " "50% Picture. Judd's50&10%	Brown's Brass
Clark's:	Wire Coat and Hat, Acme. 50&10@50 &10&5%	Picture, Sargent's	Champion40 Eagle40
Lull & Porter, Nos. 0, 1, 114, 2, 214, 8	Wire Coat and Hat, Gem50&10@50 &10&5≰	Latches-	Scandinavian
Mortise Gravity	Wire Ceiling, Gem50&10@50&10&5% Wire Coat and Hat, Standard45%	¥ doz. Cronk's Barn Door Net, \$2.25	McWilliams 256 Smith & Egge Bicycle 509 Wrought Iron 75&10
Nos. 40 and 50	MISCELLANEOUS-	Lane's Barn Door40@40&10%	Yale Lock Conet prices
Sargent's, Nos. 1, 3, 5, 11, 1870&10% W. H. Co.'s No. 2 Mortise Gravity60%	Covert Mfg. Co.: Safety Gate and Scuttle Hooks35%	Lawn Mowers— Champion	TRUNK— Corbin's
Stanley's Steel Gravity Blind Hinges, with Screws, \$1.30 \$\tilde{g}\$ doz. sets .80&10\$\tilde{g}\$	Grass No. 2, \$1.65; 8, \$1.80; 4, \$2.00	Clipper Improved50&10&10&5% Continental60&10%	Eagle
Hitching Cords—	Hooks and Eyes—Brass	Enterprise	Machine Bolts— See Bolts.
Covert Mfg. Co	•	Styles M S C V T 708-100	Mail Boxes—
Hoes—	Horse Clippers— See Clippers.	Style A. (all steel)	See Boxes, Mail.
Steel Goods Association List, Aug. 1, 1899.	Horse Nuils—	Drexel, low list	Mallets— Sargent's List:
Asphalt Hoes	Nos. 6 7 8 9 10	Gold Coins, low list	Hickory50@50&10g
Cotton Chopper Hoes	A. C25c 28c 22c 21c 21c 40&10%	New Departure, High Wheel70&10%	Lignumvite50@50&10ji Mattocks—
Harper's No. 7 Mortar Hoes	American, all sizes	New Departure, Low Wheel	Cronk's Garden
Kretzinger, Cut-Ezy	Ansable 28c 26c 25c 24c 28c 50% Anchor 23c 21c 20c 19c 19c 40%	New York	Regular Goods
Laid Steel Edge Hoes	C. B. K25c 28c 22c 21c 21c40% Capewell19c 18c 17c 16c 16c10&5%	12 in. 14 in. 16 in. \$6.00 \$6.25 \$6.50 each net	
5&2144 Mortar and Street Hoes75&714&24	Champlain 28c 26c 25c 24c 23c 40&5&2s	Pennsylvania	American
Planter Hoes, Regular Pattern70&30% Rough Finish Shank Cotton Hoes	Clinton Fin .19c 17c 16c 15c 14c 80&5% Essex 28c 26c 25c 24c 29c	Rapid Transit	Nos 1 2 8 4
75&121 44	40&10@50%	Sunbeam	\$14 \$17 \$19 \$30

OCIOBER 10, 1901.
Nos 5 10 12 20 22 38
Home No. 1, \$\Pi\$ doz. \$33
Woodruff's, \$\psi \doz \
Meat Juice Extractors— Enterprise
Magnolia Metal Co.: ₩ h Magnolia, Anti-Friction .25c No Name .15c Mystic .10c f, o, b, New York or Chicago.
Morteing Ladles— Monroe's Patent
Mitre Boxes— C. E. Jennings & Co
Matchless (Canton, O.), \$\pi\$ doz\$12.00 Motors— COFFEE MILL—
Specialty Novelty Coeach \$5.00 Nails— WIRE AND OUT NAILS— See Review of the Markets for
quotations. Wire Nails and Brads, Papered, Ass'n list, July, 1899
Brass Head, Combination list
Antique Bronze. 10% China 25% Fire Gilt 10% Plain 40% Nail Pullers—
Ajax, 5 bs
\$16.50; No. 2, \$15.00
Small, No. 3 \$\pi \doz. \$5.00 No. 8 B \$\pi \doz. \$5.00 No. 8 D \$\pi \doz. \$4.00 Large, No. 1 \$\pi \doz. 6.50 No. 2 \$\pi \doz. \$5.75 No. 2 B \$\pi \doz. \$5.00 No. 2 D \$\pi \doz. \$5.00
Nail Sets - Back Bros
Hunters' Cup Point, Knurled \$10.00 Hunters' Cup Point, Plain 9.00 Octagon 4.0024.75
Round, assorted 8.00@3.25 Square 4.00@4.25 Snell's: Octagon Quare \$4.75
Square 4.00@4.25 Snell's: 94.75 Octagon 54.75 Corrugated 5.50 Knurled 9.00 Nippers 9.00
Square 4.00@4.25 Snell's:
Square 4.00@4.25 Snell's: 0.00 Octagon \$4.75 Corrugated 6.50 Knurled 9.00 Nippers- .50% Smith's Cutting .50% Todd's Cutting .50%

HARDV
Oilers— Brass and Copper
Leader 60 Perfect Oilers 1.50 Star Pocket Oilers .75 Draper's: .70&10 Brass .70&10
Brass 70&10%
same list
Oil Stones, etc.— OIL STONES— Pike's Washita:
Lily White, # h
About 2x2x3/4 to 1/6, % lb\$.24 About 2x2x1/6, extra selected40 Discount. 331/6.
India Oil Stones
Boston Belting Co.: "Boston"
miscellaneous— \$ to American Packing
Tute 50:005 %c Russian Packing 12:00 13 %c Padlocks—
See Locks. Parers— ** doz
APPLE— \$ doz. Advauce \$ 4.50 Baldwin 5.00 Bonanza each 5.00 Bonanza each 7.50 Burdy each 7.50 Rureks. 1898 each 16.00 Family Bay State 12.00 Improved Bay State \$27@30.00 Little Star 4.00 New Lightning 5.50 Penn 8.75 Penfection 4.00 Reading. 79 7.00 Reading. 78 7.00 Reading. 78 7.00 Rocott's Pat. Rotary \$15.00, 20% Turntable, Old Style 4.50 White Mountain 4.00 FOTATO— \$9 dos. Saratoga \$5.50 White Mountain 4.50
Pencils— Dixon's: \$\ \pi\ \ \text{gro.} \\ Carpenter's
Percussion Caps— See Ammunition
Picks— Railroad or Adze Eye, 5 to 6, \$12.00. 6 to 7. \$13.00
Planes and Plane Irons— wood Planes— Bailey's (Stanley R. & L. Co.)
50&10@60% Bench, First Quality 45@45&10% Bench, Second Quality 50@50&10% C. E. Jennings & Co 50&10% Molding 40&5%
TRON PLANES— Chaplin's Iron Planes
#LANE IRONS— Auburn "Thistle"

Pliers and Nippers—	
Button's	. ~~,
Cronk's: Button Pattern Fencing Pliers, % doz. \$12.00. Flat and Round Nose. Gas Pliers, No. 100. Stubb's Pat. Pliers Wire Cutter and Bender. Hall's Nippers, % doz., No. 2, 5 in. \$13.50; No. 4, 7 in., \$21.00. Hall's Pliers.	.70% .25%
Gas Pliers, No. 100	40% 40%
Wire Cutter and Bender	.60%
\$13.50; No. 4, 7 in., \$21.0040 Hall's Pliers	.70%
Wm. Johnson's Gas Pliers6 Morrill's Parallel. & doz. \$12.0080	6344 &5%
Smith's Side Cutting	.25% &5%
Hall's Pliers Humason & Beckley Mfg. Co.50@50 Wm. Johnson's Gas Pliers Morrill's Parallel, & doz. \$12.00. 85 Smith's Side Cutting P. S. & W. Cast Steel P. S. & W. Tinners' Cutting Nip pers	. 10%
Plow Bolts— See Bolts.	
Plumbs and Levels— Cook's 40&10	&10
Disston's	.70% .25%
Pocket Levels	@75≴ &10≴ &10⊄
Davis Inclinometers 1	.25% .25%
Poachers— See Egg Poachers.	
Police Goods-	OE.
Tower & Lyon's Polish Metal—	20%
Prestoline Liquid, New List Prestoline Paste	40% @40%
U. S. Metal Polish Paste, 8-oz. boxe	8, 8,.50
# gross	1.85 2.25
U. S. Liquid, 8-oz cans, \$\pi\$ doz	1.25 12.00
U. S. Metal Polish Paste, 3-oz. boxe \$\pi\$ doz \$\pi\$ gross \$\frac{1}{2}\$. boxes, \$\pi\$ doz \$\pi\$ doz \$\pi\$. 1b. boxes, \$\pi\$ doz \$\pi\$ doz \$\pi\$. S. Liquid, 8-oz cans, \$\pi\$ doz \$\pi\$ gross \$\pi\$ arkeeper's Friend Metal Polish, \$\pi\$ doz \$\pi\$ gross \$\pi\$ gross	1.75 18.00
Dallah Store-	
Dixon's Plumbago	b 5,10≴).10≉
Donnard Corn	
Round or square, \$\pi \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7.00
2 qt 1.15 Ouincy Corn Popper, 1 qt., 39 do	10.50 z.
\$8.60; 2 qt., \$4.00 Post Hole Diggers— **	881/6/1 dom.
Disston's Samson Digger\$34.0 Iwan's Split Handle, & doz. net Iwan's Perfection, & doz. net	0, 251 \$8.50
Iwan's Perfection, # doz. net Ryan's # doz. \$20.0	\$ 9.00 0 , 25 1
Post Hole Augers— Iwan's Patent Improved Vaughan's, 6 to 9 in., # doz. net	401
Potato Hooks, etc	
Hoe Down Hooks	0&21 £2344
Potato Hooks	707
See Ammunition. Presses	
See Fruit and Jelly Presses.	
Primers— See Ammunition.	
Pruning Hooks and Shear Cronk's Pruning Shears	8— 881/61
Cronk's Heavy Pattern, & doz., \$2.! Disston's Combined Pruning Ho	50 nei ok
Cronk's Pruning Shears	8., 6&10;
Henry's: Pruning Shears	40& 55 0&20
Grape	& 10 75
E. S. Lee & Co.'s Pruning Tools P., S. & W. Co.'s Shears	40; 60; 5&10;
Henry's: Pruning Shears	8- 5&10
Pulleys-	ስ. ሙ ነሱ
Axie 50&1 Brass Screw 4 Ceiling 50@10 Clothes Line, Japanned 6) @60 5&10,
Clothes Line, Japanned	
Common Sense	60; 60;
Dumb Waiter	08:10
Dumb Waiter	08:10
Common Sense	08:10

Hay Fork, Swivel Eye, \$\pi\$ doz., 4-inch, \$\pi\$ 3.75; 6-inch, \$\pi\$ 5.00
Cistern, Best Grades
Punches— Bemis & Call Co.'s: Cast Steel Drive
Bail— Barn Door, Light, In. 1/6 5/6 3/60 Barn Door, "None Better" No. 1, \$\psi\$ foot
Rakes, Etc.— Cronk's: Wrought Steel Garden .60&20x Queen City Lawn .60&20x Steel Garden Rakes .70&5&2x Steel Garden Rakes Stamped Blank .79x Steel Road Rakes .65x Steel Tar or Asphalt Rakes .5x Turf Edger .60&5x Prize Bow Braced Steel .70&5&2x Peerless Shank .70&5&2x Peerless Socket .70&5&2x Level Head Shank .70&5&2x Rasps, Horse— Disston's .70x See also Files. .70x



HARDWARE

Razors-	Samson: "Mass." White, Cotton2214@24c	Saw Sets—	Drive Screws, Diamond Point. 8714@90
Electric List net "John Engstrom" net prices	"Samson" Braided White, Cotton	Atkins: Criterion Saw Sets # doz. \$6.00	Iron, Bright Flat Head
J. R. Torrey Razor Co	"Samson" Braided Drab. Cotton	Excelsior Saw Tools adoz. 6.06 Bemis & Call Co.'s:	Nickel Plated, Iron Flat Head 75080
£10%	"Samson" Braided Italian Hemp ₩ 15 82 % @ 85 c	Cross Cut	Nickel Plated, Iron Round Head.75@80
Registers and Ventilators-	"Samson" Braided Linen # 15.50@55c Silver Lake:	Plate	MACHINE-
HOT AIR-	A Quality, Drab 39 to 40c, 5%	Disston's Monarch, Nos. 1 & 10 and Star. 954	List, January 1, 1898. Brass, Flat Head50
New List, Sept. 2, 1901: Black Japanned	A Quality, White. \$\iii \text{ in 85c, 5\%} B Quality, Drab. \$\iii \text{ in 85c, 5\%} P Quality, White.	Hart's Pat. Lever20% Kohler's:	Brass. Round Head
White Japanned 70% Bronzed Finishes 70%	B Quality, White	"Giant Royal" # doz. \$9.00 "Royal" # doz. 6.00	Iron, Flat Head
Blectro-Plated 70% Nickel Plated 70%	B Quality	Leach s	
White Porcelain 60% Solid Brass and Bronze Metal 50%	White Cotton, Hard Braided ₩ 15 18c	No. 1, \$15.00; No. 10, \$15.50; No. 11,	G. P. Coach. List, Feb. 14, 1895.
	Sash Fasteners, Holders, &c.	\$16.00	Hand Rail
Rings-	Sash Lifts	5, \$31.00	Lag Screws. List, January 80, 1895.
See Bull and Hog Rings.	Sash Lifts Flush	Seymour Smith & Son, Hammer	Cone Point
Rivets and Burrs	Sash Rollers	Stillmans	BENCH, HAND, ETC.—
Belt with Burrs 40&5@40&10% Hose with Burrs 40&5@40&10%	Shutter Sheaves		Bench, Iron, @ doz., 1 in., \$3.25;
IRON-		Scales	Bench, Wood, Beech # doz. 2.4
List, Nov. 1, 1894.	Sash Locks—	Chatillon's: Eureka	Chair
Ordinary, in bulk 70% Thousand, in bulk 70%	Champion Meeting Rail 70% Champion Side 60%	Favorite 40% Grocers' Trip Scales 50%	Jack Screws, Millers Falls, Roller Bearing 50 Jack Screws, Millers Falls, without
Coopers', in bulk 70%	Davis, Bronze, Barnes Mfg. Co50% Elting's Ventilating40%	Family, Turnbull's80@30&10% Hatch:	ROHER RESERVE SANDA
Hame70%	Fitch 8: Iron	Counter, No. 171. \$\frac{1}{2}\$ doz. \$17.00@\$18.00 Tea, No. 161\frac{3}{2}\$ doz. 5.75@ 6.00	Jack Screws, P. S. & W40@40&10; Jack Screws, Sargent's
Belt with Burrs, Tinned or Coppered	Bronze and Brass	Union Platform Plain 2.00@ 2.10 Striped 2.15@ 2.25	Piane Stool50&105
Rivet Sets-	Ives' Patent: Wrought Steel		Scroll Saws-
Regular List	Bronze M. Knob	Scale Beams—	
	Cast Iron	Chatillon's No. 1	Barnes' No. 1, \$8; No. 6, \$10; No. 7, \$15
Rollers— Lane's, Stay831/85	Payson's Perfect		Cricket
	Reading60&10%	Scrapers, &c.—	Lester, complete, \$10.00 15&102
Rope	Sash Weights-	Adjustable Box Seraper (S. R. & L. Co.) \$6.00	Rogers, complete, \$4.0015&105
Cotton Rope, Best, 39 h 14 inch and larger	Small lots	DOX, & Handle & doz. \$3.00@4.00	Scythes, Grass— \$ doz.
	Ton lots at factory \$20.00@22.50	Foot	Natural Finish 97 50/087 75
A grade	Sausage Stuffers or Fillers-	Ship, R. I. Tool Co10%	Polished Blade. 8.00 @ 8.15 Painted or Bronzed 8.00 Weed and Bush 7.25@ 7.50
Manila:	Draw Cut, No. 4each \$80.00, 20% Enterprise Mfg. Co25@25&716%	SIDEWALK—	weed and Bush 7.25@ 7.50
7-16 in. and larger	National Specialty Mfg. Co25%	Kohler's, Steel No. 7 🕸 doz. \$8.00	Seeders—
34 in 10½c 14 and 5-16 in 11 c Hay Rope, Medium 10½c	Saws-	Screens-	Raisin, Enterprise
7-16 in. and larger	Atkins:	DOOR-	
% in	Band 7 to 14 in. Wide	Phillips: \$\ doz. \$\ %_in., Style E, Fancy Screen	Shears—
Rules-	Band 1/6 to 2 in. Wide	Doors \$10.00 %-in., Style G, Common Screen	Acme (Cast)
Athol, Steel	Circular	Doors 6.50	Ætna, Steel Nickeled. 70&205 Barnard Lamp Trimmere net
50x w 00u	Gang50%	Doors	Carrier Cutlery Co.: N. P. Straight Trimmers66%
Lufkin's:	Wood	Doors 8.50	N. P. Bent Trimmers 66726 Japanned Straight 70&108
8teel 55% Lumber 50&10% Miscellaneous, Stanley's 55&10%	Circular, Solid and Inserted Tooth .50%	WINDOW-	Japanned Bent
Starrett's Rules and Straight Edges, Steel	Band 8 in. to 14 in. Wide	Porter Screen Mfg. Co60@60&5% Phillips:	St. Trimmers, etc60&10@60&10&10% Tailors' Shears
	Cross Cuts	Bonanza Screens	Tinners' Snips
Sad Irons— Chinese Laundry	Mulay, Mill and Drag. 50% Framed Wood Saws. 85%	Flyer	Seymour's Standard List:
	Wood Saw Blades. 40% Wood Saw Rods 20%	Northwest	Japanned
Crown, Polished. \$\frac{39}{2}\$ doz. \$6.50 Crown, Nickel. \$\frac{30}{2}\$ doz. 7.00	Hand Saws, Nos. 12, 99, 9, 16, D100, D8, 120, 76, 77, 8	Window Screen Frames000103	Standard Cutlery Co.: Japanned
Common 4 to 10	0, 00, Combination 80\$	Screw Drivers-	Nickeled
COLD HANDLED— Enterprise Mfg. Co. of Pa80&5%	Compass, Keyhole, Pruning, Dove- tail, &c254	Brace Screw Drivers 25&10&5% Buck Bros 30%	Nickel Scissors
Self-heating, Tailors' & doz. \$10.00, 20%	Butcher Saws and Blades	Screw-Driver Bits	Japan Shears
	C. E. Jennings & Co.'s: Butcher	Diseton s Flat Blade, Electric, Telegraph and Cabinet Makers' 70%	Pruners
Sensible Polished	Hand Panel, Rip and other Saws 25@304	Electric Spiral No. 01 . F doz. \$6.00 net Electric Spiral No. 02 . F doz. 5.00 net	
Safety Fuse-	Peace: Cross Cuts	Ellrich's Socket and Ratchet40&10% Fray's Hol. Hdle. Sets, No. 8 . \$12, 50%	Shears, Hedge—
See Fuse.	Hand Panel and Rip25&10% Richardon:	Howard-Allard { A1 ♥ doz., \$9.00 net A2 ♥ doz., 8.06 net	Wm. Wilkinson & Sons50%
Safety Lifts—	Circular and Mill50@50&10%	C. E. Jennings & Co. 40&10% Jennings & Griffin	Charma
Burr Mfg. Co., Steel50@60%	X Cuts	Jones Reversible Spiral No. 1, \$\psi \doz. \$18.50 net; No. 2 \$\psi \doz. \$12.00	Sheaves— SLIDING DOOR—
Sand and Emery Paper and	Star, Butcher 25% Woodrough & McParlin Cross Cuts	Sargent & Co.'s:	Corbin's list
Cloth—	45&10%	No. 1 Forg. Blade 50 & 10 @ 50 & 10 & 5% Nos. 20 and 40	Hatfield's Pattern
Baeder, Adamson & Co.'s: Emery Cloth	HACK SAWS AND FRAMES-	Screw-Driver Bits (Snell's) \$ \text{doz}60c Stanley R. & L. Co.'s: No. \$4 Vernished Hondles	Stowell's Anti-Friction
Garnet Paper	Chatillon80% Disston's:	No. 64, Varnished Handles 60&10% No. 86	R. & E., list August 15, 1895. 60&10@60&10&5%
Sash Balances—	Concave Blades	Tower & Lyon:	Russell's Anti-Friction, list December 18, 1835
Caldwell Mfg. Co50%	chine Blades	Champion 40% Magazine 25%	
Sash Chain—	Griffin's: Complete40@45\$	Balsley's Patent	SLIDING SHUTTER-
Competition	Saw Blades 4% Star, Saws and Blades 25%		Reading list
MODERCO 40 & 10-/		Beauty, ₹ doz	Sargent's list
Red Metal	Saw Filer—	Sorews-	
	The state of the s	~~~~ -	
Sash Cord—	Disston's D8 Clamp and Guide, \$80.00	WOOD SCREWS-	Shells—
Sash Cord— Cable Laid Italian 37 h 16/2180	¾ doz25≰	List, January 1, 1900,	See Ammunition.
Sash Cord— Cable Laid Italian \$\% \text{D} 16@18c Cable Laid Russia \$\% \text{D} 181\square 6644c Common India \$\% \text{D} 187\square 6644c	\$\doz255 Saw Frames—	List, January 1, 1900. Brass, Flat Head	See Ammunition.
Sash Cord— Cable Laid Italian % h 16@18c Cable Laid Russia % h 1814@14c	¾ doz25≰	List, January 1, 1900,	

Shovels and Spades—	SILVER PLATED PLAT WARE-	Swedes Iron Tacks;	Nellis Forkeach, 1.60
Association prices to small trade.	L. Boardman & Son Catalogue " C "	8.890&10&10%	New Myers Iron Rod Car 8.25
No. 2, Polished, Square or Round	net List	Bill Posters' and Railroad Tacks: S. S	Reed Wood Frame Pulley with Hook, Fig. 484
Point, D or L Handle: A1, B2,	** 1847 **	Common and Patent Brads70&10%	Rev. Car., Double Steel Track 8.50 Rev. Car., Wood Track 8.25
1st Grade, 2d Grade	"Anchor". 50&10% "Eagle". 50&10% "Star". 50&10%	Finishing Nails70&10% Gimp Tacks:	Rev. Car., Wood Track 3.25 Rope Hitch
Plain Back\$10.50 \$9.60 Strap Back 9.90 9.00	" Star"	8. 8	Single Rail Car. Single Steel T 8.50
Cleveland Pattern. 10.20 9.80	Rogers & Hamilton	Hungarian Nails, Steel80&15% Lace Tacks:	Single Rail Steel Track with clamps
C8, D4, 8d Grade. 4th Grade	Holmes & Edwards50&10&10%	8.890&40%	Sprout's Shear Fork, each \$1.60
Plain Back \$8.70 \$8.10	German Silver, unplated50%	Looking Glass Tacks 70&10% Trimmers' Tacks:	Steel Frame Pulley with Iron Sheave, Fig. 565, & doz 1.85
Strap Back 8.10 7.50 Cleveland Pattern. 8.40 7.80	ENIVES AND FORES NO. 12-	_ S. S	Sure Grip Sling Car, Steel or Wood
All other sizes, add 80c. doz.	advis and solds act. 12	Trunk and Clout Nails: Steel, Black80&5%	Track 6.00 Walker Fork, each 1.25
Black, deduct 80c. doz.	44 1847 **	Steel, Tinned	Wrought Rafter Brackets, \$\polesis \doz40
	"Anchor" 3.25	Upholsterers's Tacks: S. S	
Shovels and Tongs-	"Anchor" 8.25 "Eagle" 8.25 "Star" 8.25	S. S	Manager Ilfton
Brass Head60&10@60&10&10%	Rogers, Smith & Co 3.20	MISCELLANEOUS-	Transom Lifters—
Iron Head60&10@60&10&5%	Rogers & Hamilton	M 100 MANUAL MO ON	Ajax
		Double Point, in dozens, 90&10&10&10&10&	50@50&10x
Shutter Bars-	Springs-	Double Point, in bulk	Crescent
Ives'45%	See Door Springs.	Matting	Dickson's
	Door Springs.	Shade, in dozens90&10&10% Shade, in bulk80%	Payson's Solid Grip, Nos. 808 and
M-44 72 24	Spring Balances		804, \$\frac{30}{2} 100\$12.00 Shaw's:
Shutter Bolts-		Tack Pullers -	Copper Finished80&10%
See Bolts, Shutter.	See Balances.		Lever
•	a	Columbia, No. 1, \$\pi\$ doz., net\$1.00 Columbia, No. 2, \$\pi\$ doz., net 1.50 Little Jack\$\pi\$ doz., 1.00	
Sifters, Flour—	Spring Hinges-	Little Jack 4 doz 1.00	Traps—
Hunter's Gemuine gross, \$10@\$11.50	See Hinges.		PLY-
State Sharmanan	Squares—	Tapes, Measuring—	Balloon
Skate Sharpeners—	Disston's Try Square and T Bevels,	American Asses' Skin40&10@50%	Harper \$\pi \doz. 1.40, \$\pi \gro. 15.00
Eureka doz. \$1.75; \$2 gro. \$18.00	60&10%	Leather Case	
	Starrett's Micrometer Caliper Squares,	Chestermans	GAME
Slaw and Kraut Cutters-	Try Square and T Bevel60&10	Kenffel & Esser Co., New List, 1898: Steel and Metallic	Star, Blake's Pattern 60&10&10;
Dieston's:	@60&10&10% Winterbottom's Try and Mitre40&10%	Lufkin's Steel and Metallic80@38168	Enterprise Mole
Slaw, Vegetable, Corn Grater, Tur- nip Shredder40\$	Nickel Plated. New List Jan. 5,		Newhouse45@50%
Kraut Cutters, 24x7, 26x6, 80x955%	1900,	Tap Borers-	Victor75≴
Kraut Cutters, 86x12, 40x18 40%		See Borers, Tap.	
Enterprise	Staples-	Dec Dozeis, rap.	MOUSE AND RAT-
Tucker & Dorsey:		Tons	Erie Rat40@40&10%
1 Knife	Barbed Blind—14, 56, and 34 inch, 39 ib	Taps-	Hotchkiss: Metallic Mouse 50≴
Kraut Cutters		American Screw Co.: Machine Screw	Improved Rat50%
Woodrough & McParlin40%	FENCE-	Holrovd & Co.'s:	New Rat50%
	Same price as Barb Wire. See Trade	Blacksmiths 60@65&5% Machine Screw 70&10@7%	Mouse, Bonanza, # doz90c@\$1.00 Mouse, Catch-'em-alive, # doz.\$2.50, 15%
Sledges and Heavy Hammers—	Report.	Machinists' Hand60@60&10&10%	Mouse, Delusion
See Hammers.		Pipe, 16 to 11/6	Mouse, Ideal, # gro\$9.00 Mouse, Round Wire, # doz\$1.00, 10%
	Stay Rollers—	Pipe, 2 to 4	Mouse, Wood, Choker, & doz. holes,
	Cronk's, No. 50653/65		9@10c Marty French Rat and Mouse Traps
Slicare			
Slicers—	" Nos. 55 and 5670&10%	Thumb Latches—	(Genuine):
Slicers— Vegetable, Enterprise25%	" Nos. 55 and 5670&10%	Thumb Latches— See Handles.	(Genuine): No. 1, Rat, each \$1.18, \$\ doz\$12.00
Vegetable, Enterprise25%	" Nos. 55 and 5670&10% " No. 60		(Genuine): No. 1, Rat, each \$1.13, % doz\$12.00 No. 8, Rat, % doz., \$6.00; case of 50
	" Nos. 55 and 5670&10% " No. 60		(Genuine): No. 1, Rat, each \$1.18, \$\vec{9}\ doz\$12.00 No. 3, Rat, \$\vec{9}\ doz., \$8.00; case of 50
Vegetable, Enterprise25%	" No. 55 and 56	See Handles. Tinware— Stamped. Japanned and Pieced,	(Genuine): No. 1, Rat, each \$1.18, \$\psi \doz \doz \square\ \$12.00 No. 8, Rat, \$\psi \doz \doz \square\ \$6.00; case of 50 \doz \doz \doz \doz \doz \doz \doz \doz
Vegetable, Enterprise25% Smiths' Bellows—	" No. 60	See Handles. Tinware—	(Genuine): No. 1, Rat, each \$1.18, \$\pi\ doz\$12.00 No. 8, Rat, \$\pi\ doz, \$6.00; case of 50
Vegetable, Enterprise25% Smiths' Bellows—	" No. 60	See Handles. Tinware— Stamped. Japanned and Pieced,	(Genuine): No. 1, Rat, each \$1.18, \$\psi \doz \$12.00 No. 8, Rat, \$\psi \doz \$6.00; case of 50
Vegetable, Enterprise25% Smiths' Bellows— See Bellows.	" No. 55 and 56	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts—	(Genuine): No. 1, Rat, each \$1.18, \$\psi \doz \. \$12.00 No. 8, Rat, \$\psi \doz \. \$8.00; case of 50 5.25 No. 8\psi_6, Rat, \$\psi \doz \. \$4.75; case of 72 4.25 No. 4, Monse, \$\psi \doz \. \$8.50; case of 72 2.75 No. 5, Mouse, \$\psi \doz \. \$2.75; case of 150 \$2.25 Schuyler Rat Killer, No. 1, \$\psi \text{gro.}
Vegetable, Enterprise	" No. 55 and 56 70&103 " No. 60	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices.	(Genuine): No. 1, Rat, each \$1.18, \$\psi \doz \. \$12.00 No. 8, Rat, \$\psi \doz \. \$8.00; case of 50 5.25 No. 8\psi_6, Rat, \$\psi \doz \. \$4.75; case of 72 4.25 No. 4, Monse, \$\psi \doz \. \$8.50; case of 72 2.75 No. 5, Mouse, \$\psi \doz \. \$2.75; case of 150 \$2.25 Schuyler Rat Killer, No. 1, \$\psi \text{gro.}
Vegetable, Enterprise	" No. 55 and 56	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts.	(Genuine); No. 1, Rat, each \$1.13, ♥ doz \$12.00 No. 3, Rat, ♥ doz., \$6.00; case of 50
Vegetable, Enterprise	** Nos. 55 and 55 70&10% ** No. 60 50% ** No. 65 60&10% Steels— Chatillon's 80% Stocks and Dies. BICYCLE— Holroyd & Co 85%	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters—	(Genuine): No. 1, Rat, each \$1.18, \$\pi\doz \. \\$12.00 No. 3, Rat, \$\pi\doz \. \\$8.00; case of 50.
Vegetable, Enterprise	** Nos. 55 and 55 70&10% ** No. 60 50% ** No. 65 60&10% Steels— Chatillon's 80% Stocks and Dies. BICYCLE— Holroyd & Co 85% BLACKSMITH'S—	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— Netional Specialty Co	(Genuine); No. 1, Rat, each \$1.13, ♥ doz \$12.00 No. 3, Rat, ♥ doz., \$6.00; case of 50
Vegetable, Enterprise	" No. 65 and 56 70&10% " No. 60 60% " No. 65 60% Steels— Chatillon's 30% Stocks and Dies. BICYCLE— Holroyd & Co 35% BLACKSMITH'S— Butterfield's 35%40% Gardner 35%40%	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters—	(Genuine): No. 1, Rat, each \$1.18, \$\vert \doz \. \$12.00 No. 8, Rat, \$\vert \doz \. \$8.00; case of 50
Vegetable, Enterprise	" Nos. 55 and 55 70&10% " No. 60	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.18, \$\vert \doz \. \$12.00 No. 3, Rat, \$\vert \doz \. \$8.00; case of 50. 5.25 No. 346, Rat, \$\vert \doz \. \$4.75; case of 72. 2.75 No. 5, Mouse, \$\vert \doz \. \$8.50; case of 72. 2.75 No. 5, Mouse, \$\vert \doz \. \$2.55; case of 150. 2.25 Schuyler Rat Killer, No. 1, \$\vert gro., \$15.00; No. 2, \$\vert gro. \$15.00 Mouse, No. 3. 9.00 Smith & Egge Mfg. Co. \$\vert doz. Superior Rat Trap \$15.00 Yankee Mouse Trap \$5.00 Yankee Rat Trap \$11.00
Vegetable, Enterprise	" No. 65	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine); No. 1, Rat, each \$1.13, ♥ doz \$12.00 No. 3, Rat, ♥ doz., \$6.00; case of 50
Vegetable, Enterprise	" Nos. 55 and 55 70&10% " No. 60	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.18, \$\vert \doz \ \ \ \\$12.00 No. 3, Rat, \$\vert \doz \ \ \ \\$6.00; case of 50. 5.25 No. 346, Rat, \$\vert \doz \ \ \ \\$4.75; case of 73. 4.25 No. 4, Mouse, \$\vert \doz \ \ \ \ \\$8.50; case of 72. 2.75 No. 5, Mouse, \$\vert \doz \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Vegetable, Enterprise	" No. 65	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.18, \$\pi\doz.\$12.00 No. 3, Rat, \$\pi\doz.\$8.00; case of 50. No. 3\pi\kat, \$\pi\doz.\$8.00; case of 73. No. 4, Mouse, \$\pi\doz.\$8.50; case of 72. No. 5, Mouse, \$\pi\doz.\$8.75; case of 150. 2.25 Schuyler Rat Killer, No. 1, \$\pi\gro.\$90. \$15.00; No. 2, \$\pi\gro.\$15.00 Mouse, No. 3. 9.00 Smith & Egge Mfg. Co.: \$\pi\doz doz Superior Rat Trap \$15.00 Yankee Mouse Trap \$15.00 Yankee Mouse Trap \$15.00 Trowels— Brade's Brick. Disston's: Brick and Pointing. \$30.00
Vegetable, Enterprise	" Nos. 55 and 55 70&10% " No. 60 50% " No. 65 60&10% Steels— Chatillon's 30% Stocks and Dies. BICYCLE— Holroyd & Co 35% BLACKSMITH's— Butterfield's 385% 40% Gardner 385% & 10% Holroyd & Co 40% Lightning Screw Plates 25% Recce's New Screw Plates 25%30%	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.18, \$\pi\doz.\$12.00 No. 3, Rat, \$\pi\doz.\$8.00; case of 50. No. 3\pi\kat, \$\pi\doz.\$8.00; case of 73. No. 4, Mouse, \$\pi\doz.\$8.50; case of 72. No. 5, Mouse, \$\pi\doz.\$8.75; case of 150. 2.25 Schuyler Rat Killer, No. 1, \$\pi\gro.\$90. \$15.00; No. 2, \$\pi\gro.\$15.00 Mouse, No. 3. 9.00 Smith & Egge Mfg. Co.: \$\pi\doz doz Superior Rat Trap \$15.00 Yankee Mouse Trap \$15.00 Yankee Mouse Trap \$15.00 Trowels— Brade's Brick. Disston's: Brick and Pointing. \$30.00
Vegetable, Enterprise	" Nos. 55 and 55 70&10% " No. 60 60% " No. 65 60&10% Steels— Chatillon's 30% Stocks and Dies. BICTCLE— Holroyd & Co 35% BLACKSMITH's— Butterfield's 35%40% Gardiner 35%40% Clarking Screw Plate 25% Reece's New Screw Plates 25%30%	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\psi doz\$12.00 No. 3, Rat, \$\psi doz, \$6.00; case of 50
Vegetable, Enterprise	" Nos. 55 and 55 70&10% " No. 60 60% " No. 65 60&10% Steels— Chatillon's 30% Stocks and Dies. BICTCLE— Holroyd & Co 35% BLACKSMITH's— Butterfield's 35%40% Gardiner 35%40% Clarking Screw Plate 25% Reece's New Screw Plates 25%30%	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\psi doz\$12.00 No. 3, Rat, \$\psi doz\$6.00; case of 50
Smiths	" Nos. 55 and 55 70&10% " No. 60 60% " No. 65 60&10% Steels— Chatillon's 30% Stocks and Dies, BICYCLE— Holroyd & Co 35% BLACKSMITH's— Butterfield's 35% 40% Gardner 35% 40% Gardner 35% 40% Gardner 35% 40% Gardner 35% 40% Fightning Screw Plate 25% Reece's New Screw Plates 25% PIPE MAKKES— Holroyd & Co 75&10@80%	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine); No. 1, Rat, each \$1.13, \$\psi \doz \$12.00 No. 3, Rat, \$\psi \doz \$4.00; case of 50 5.25 No. 346, Rat, \$\psi \doz \$4.75; case of 72 4.25 No. 4, Mouse, \$\psi \doz \$3.50; case of 72 2.75 No. 5, Mouse, \$\psi \doz \$2.75 No. 5, Mouse, \$\psi \doz \$2.75 Schuyler Rat Killer, No. 1, \$\psi \cdot
Smiths' Bellows—	" Nos. 55 and 56	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine); No. 1, Rat, each \$1.13, \$\psi \doz \$12.00 No. 3, Rat, \$\psi \doz \$4.00; case of 50 5.25 No. 346, Rat, \$\psi \doz \$4.75; case of 72 4.25 No. 4, Mouse, \$\psi \doz \$3.50; case of 72 2.75 No. 5, Mouse, \$\psi \doz \$2.75 No. 5, Mouse, \$\psi \doz \$2.75 Schuyler Rat Killer, No. 1, \$\psi \cdot
Smiths	" Nos. 55 and 56	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\psi \doz \$12.00 No. 3, Rat, \$\psi \doz \$4.00; case of 50 \$5.25 No. 3\psi, Rat, \$\psi \doz \$4.75; case of 72 \$2.75 No. 4, Mouse, \$\psi \doz \$3.50; case of 72 \$2.75 No. 5, Mouse, \$\psi \doz \$2.75; case of 150 \$2.25 Schuyler Rat Killer, No. 1, \$\psi \cdot \c
Smiths' Bellows—	"No. 60	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine); No. 1, Rat, each \$1.13, \$\psi \doz \$12.00 No. 3, Rat, \$\psi \doz \$4.00; case of 50 5.25 No. 346, Rat, \$\psi \doz \$4.75; case of 72 4.25 No. 4, Mouse, \$\psi \doz \$3.50; case of 72 2.75 No. 5, Mouse, \$\psi \doz \$2.75 No. 5, Mouse, \$\psi \doz \$2.75 Schuyler Rat Killer, No. 1, \$\psi \cdot
Smiths Bellows See Bellows	" Nos. 55 and 56 70&10% " No. 60 60% " No. 65 60&10% Steels— Chatillon's 30% Stocks and Dies, BICYCLE— Holroyd & Co 35% BLACKSMITH'S— Butterfield's 35% 40% Gardner 33% &10% Clightning Screw Plate 25% Recce's New Screw Plates 25% Recce's New Screw Plates 25% Stones— Holroyd & Co 75&10@80% Stones— See Oilstones. Stops— See Bench Stops.	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\psi doz\$12.00 No. 3, Rat, \$\psi doz\$8.00; case of 50
Smiths	" No. 65	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\pi\doz \ \ \$12 00 No. 3, Rat, \$\pi\doz \ \ \$6.00; case of 50. 5.25 No. 3\(\frac{1}{2}\), Rat, \$\pi\doz \ \ \ \$4.75; case of 73. 4.25 No. 4, Mouse, \$\pi\doz \ \ \ \$8.50; case of 72. 2.75 No. 5, Mouse, \$\pi\doz \ \ \ \$8.50; case of 72. 2.75 No. 5, Mouse, \$\pi\doz \ \ \ \ \$2.75 No. 5, Mouse, \$\pi\doz \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Smiths Bellows See Bellows	" Nos. 55 and 56 70&10% " No. 60 60% " No. 65 60&10% Steels— Chatillon's 30% Stocks and Dies, BICYCLE— Holroyd & Co 35% BLACKSMITH'S— Butterfield's 35% 40% Gardner 33% &10% Clightning Screw Plate 25% Recce's New Screw Plates 25% Recce's New Screw Plates 25% Stones— Holroyd & Co 75&10@80% Stones— See Oilstones. Stops— See Bench Stops.	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\pi\doz.\$12 00 No. 3, Rat, \$\pi\doz.\$6.00; case of 50
Smiths	" No. 65	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\pi\doz \ \ \$12 00 No. 3, Rat, \$\pi\doz \ \ \$6.00; case of 50. 5.25 No. 3\(\frac{1}{2}\), Rat, \$\pi\doz \ \ \ \$4.75; case of 73. 4.25 No. 4, Mouse, \$\pi\doz \ \ \ \$8.50; case of 72. 2.75 No. 5, Mouse, \$\pi\doz \ \ \ \$8.50; case of 72. 2.75 No. 5, Mouse, \$\pi\doz \ \ \ \ \$2.75 No. 5, Mouse, \$\pi\doz \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Smiths	" No. 65	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices.	(Genuine): No. 1, Rat, each \$1.13, \$\psi doz\$12 00 No. 3, Rat, \$\psi doz\$6.00; case of 50
Smiths Bellows See Bellows	" No. 65	See Handles. Tinware— Stamped, Japanned and Pieced. Net Prices.	(Genuine): No. 1, Rat, each \$1.13, \$\pi doz\$12.00 No. 3, Rat, \$\pi doz\$6.00; case of 50
Smiths Bellows See Bellows	" No. 65	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\pi doz \$12.00 No. 3, Rat, \$\pi doz, \$6.00; case of 50
Smiths Bellows See Bellows	"No. 60	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\pi doz\$12.00 No. 3, Rat, \$\pi doz\$6.00; case of 50
Smiths Bellows See Bellows	" No. 65	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices.	(Genuine): No. 1, Rat, each \$1.13, \$\pi doz \$12.00 No. 3, Rat, \$\pi doz, \$6.00; case of 50
Smiths' Bellows-	" No. 65	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\psi doz\$12 00 No. 3, Rat, \$\psi doz\$4.00; case of 50
Smiths' Bellows-	" No. 65	See Handles. Tinware— Stamped, Japanned and Pieced. Net Prices.	(Genuine): No. 1, Rat, each \$1.13, \$\psi doz \$12 00 No. 3, Rat, \$\psi doz \$8.00; case of 50 \$5.25 No. 3\psi, Rat, \$\psi doz \$4.75; case of 72 \$2.75 No. 4, Monse, \$\psi doz \$2.75; case of 72 \$2.75 No. 5, Mouse, \$\psi doz \$2.75; case of 150 \$2.25 Schuyler Rat Killer, No. 1, \$\psi gro \$15.00 Mouse, No. 3 \$9.00 Smith & Egge Mfg. Co.: \$\psi doz. Superior Rat Trap \$15.00 Yankee Mouse Trap \$15.00 Yankee Rat Trap \$15.00 Yankee Rat Trap \$15.00 Trowels— Brade's Brick \$30% Disston's: Brick and Pointing \$30% Disston's: Brick and Pointing \$30% C. E. Jennings & Co.: Brick \$30% Plastering, \$25% "Standard Brand" and Garden 40% C. E. Jennings & Co.: Brick \$30% Plastering \$25% "Vises— Solid Box \$25% Vises— Solid Box \$40&10@50% V. W. & W. \$40% Fisher-Norris \$15&10% Armstrong's: Combination \$50% Plain and Hinge \$60% Athol. Oval Silde \$60% Athol. Oval Silde \$60%
Smiths' Bellows—	"No. 60	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine); No. 1, Rat, each \$1.13, \$\pi doz\$12.00 No. 3, Rat, \$\pi doz,\$6.00; case of 50
Smiths' Bellows—	"No. 60	See Handles. Tinware— Stamped, Japanned and Picced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\psi doz\$12 00 No. 3, Rat, \$\psi doz\$6.00; case of 50
Smiths' Bellows-	"No. 60	See Handles. Tinware— Stamped, Japanned and Pieced. Net Prices.	(Genuine): No. 1, Rat, each \$1.13, \$\pi doz \$12.00 No. 3, Rat, \$\pi doz, \$6.00; case of 50
Smiths' Bellows—	"No. 60	See Handles. Tinware— Stamped, Japanned and Pieced. Net Prices.	(Genuine): No. 1, Rat, each \$1.13, \$\pi doz\$12 00 No. 3, Rat, \$\pi doz,\$6.00; case of 50
Smiths' Bellows—	"No. 60	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\pi doz \$12.00 No. 3, Rat, \$\pi doz, \$6.00; case of 50
Smiths' Bellows-	"Noe 80	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\pi doz \$12.00 No. 3, Rat, \$\pi doz, \$6.00; case of 50
Smiths' Bellows-	"No. 60	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\psi doz\$12 00 No. 3, Rat, \$\psi doz\$4.00; case of 50\$5.25 No. 3\psi, Rat, \$\psi doz\$4.75; case of 72\$2.75; case of 72\$2.75; case of 72\$2.75; case of 72\$3.50; case of 72\$2.75; case of 72\$2.75; case of 72\$3.50; case of 72\$4.75; case of 72\$2.75; No. 5, Mouse, \$\psi doz\$2.75; Case of 150\$2.75; case of 150\$2.75; case of 150\$2.55 Schuyler Rat Killer, No. 1, \$\psi gro\$15.00 Mouse, No. 3
Smiths' Bellows-	"No. 60	See Handles. Tinware— Stamped, Japanned and Pieced. Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine); No. 1, Rat, each \$1.18. \$\psi doz \$12.00 No. 3, Rat, \$\psi doz \$4.00; case of 50 \$5.25 No. 346, Rat, \$\psi doz \$4.75; case of 72 4.25 No. 4, Mouse, \$\psi doz \$8.50; case of 72 2.75 No. 5, Mouse, \$\psi doz \$2.75; case of 150 \$2.25 Schuyler Rat Killer, No. 1, \$\psi gro \$15.00; No. 2, \$\psi gro \$15.00 Mouse, No. 3 9.00 Smith & Egge Mfg. Co \$\psi doz. Superior Rat Trap \$15.00 Yankee Mouse Trap \$15.00 Yankee Mouse Trap \$15.00 Yankee Rat Trap \$15.00 Yankee Rat Trap \$15.00 Yankee Rat Trap \$15.00 Trowels— Brade's Brick \$05 Disston's: Brick and Pointing \$05 Plastering, \$25 "Standard Brand" and Garden \$40\$ C. E. Jennings & Co.: Brick \$25 Brick and Pointing \$25 Pointing \$25 Pointing \$25 W. & McP. Plastering \$25 W. & W. & W. & 40 W. & McP. Plastering \$25 W. & W. & 40 W.
Smiths' Bellows-	"No. 60	See Handles. Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	(Genuine): No. 1, Rat, each \$1.13, \$\psi doz\$12 00 No. 3, Rat, \$\psi doz\$4.00; case of 50\$5.25 No. 3\psi, Rat, \$\psi doz\$4.75; case of 72\$2.75; case of 72\$2.75; case of 72\$2.75; case of 72\$3.50; case of 72\$2.75; case of 72\$2.75; case of 72\$3.50; case of 72\$4.75; case of 72\$2.75; No. 5, Mouse, \$\psi doz\$2.75; Case of 150\$2.75; case of 150\$2.75; case of 150\$2.55 Schuyler Rat Killer, No. 1, \$\psi gro\$15.00 Mouse, No. 3



Razors-	Samson:	Saw Sets-	Drive Screene Diamond Dates and Joseph
-	" Mass." White, Cotton 2216@24c	Atkins:	Drive Screws, Diamond Point. 371/4(2904 Iron, Bright Flat Head
Blectric List net "John Engstrom" net prices	"Samson" Braided White, Cotton # 15 2816@30c	Criterion Saw Sata 39 doz \$6 66	Iron, Bright Round and Oval Head 85@87145
J. R. Torrey Razor Co	"Samson" Braided Drab, Cotton # 15 3216@85c	Excelsior Saw Tools # doz. 6.06 Bemis & Call Co.'s:	Nickel Plated, Iron Flat Head75@808
£10%	"Samson" Braided Italian Hemp	Cross Cut	Nickel Plated, Iron Round Head. 75@80%
Registers and Ventilators-	% 15 82 ¼ @35c "Sumson" Braided Linen ₩ 15,50@55c	Hammer, New Pat	WACHTUR
	Silver Lake:	Spring Hammer 80&5% Diseton's Monarch, Nos. 1 & 10 and	MACHINE—
HOT AIR—	A Quality, Drab	Star254	List, January 1, 1898. Brass, Flat Head
New List, Sept. 2, 1901: Black Japanned	B Quality, Drab	Hart's Pat. Lever20% Kohler's:	Brass, Kound Head
White Japanned 70% Bronzed Finishes 70%	United States.	"Giant Royal" 29 doz 29 00	Iron, Flat Head 50% Iron, Round Head 50%
Electro-Plated	B Quality. # n 1814c C Quality. # n 1714c	"Royal" # doz. 6.00 Leach s	
Nickel Plated. 70% White Porcelain. 60%	White Cotton, Hard Braided ₩ to 18c	Morrill's: No. 1, \$15.00; No. 10, \$15.50; No. 11,	COACH, LAG AND HAND RAIL-
Solid Brass and Bronze Metal 50%		\$16.00	G. P. Coach. List, Feb. 14, 1895,
Rings-	Sash Fasteners, Holders, &c.	Cross Cuts Nos. 3 and 4, \$28.00; No. 5, \$31.00	Hand Rail 60&10s
See Bull and Hog Rings.	Sash Lifts	Kichardaon'a 95∢	Lag Screws. List, January 80, 1895. Cone Point
bee buil and Hog Allige.	Sash Lifts Flush	Seymour Smith & Son, Hammer # doz\$4.75	
Rivets and Burrs—	Sasn Kollers	Stillmans	BENCH, HAND, ETC
Belt with Burrs 40&5@40&10%	Shutter Bars	2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m	•
Hose with Burrs40&5@40&10%	Window Screen Sash Lifts	Scales-	Bench, Iron, & doz., 1 in., \$3.25;
IRON—	Cash Varia	Chatillon's:	Chair 604-104
List, Nov. 1, 1894.	Sash Locks—	Eureka25%	Dang, wood
Ordinary, in bulk	Champion Meeting Rail 70% Champion Side 60%	Favorite	Jack Screws, Millers Falls, Roller Bearing 50%
	Davis, Bronze, Barnes Mfg. Co 504	Family, Turnbull's30@30&10% Hatch:	
Coopers', in bulk. 70% Block and Carriage, in papers. 70%	Elting's Ventilating	Counter No. 171 39 dos \$17.00@\$18.00	Roller Bearing. 50&10% Jack Screws, P. S. & W. 40@40&10% Jack Screws, P. S. & W. 40@40&10%
Belt with Burrs, Tinned or Cop-	Iron	Tea, No. 161 8 doz. 5.75@ 6.00 Union Platform Plain 2.00@ 2.10	Jack Screws, Sargent's
pered	Gale's Automatic, List Nov., 1897 652	Striped 2.15@ 2.25	
Piwet Sets	Ives' Patent: Wrought Steel60%		Sanall Same
Rivet Sets—	brouze M. Knob 60%	Scale Beams—	Seroll Saws— Remes' No. 1 &R. No. 8 &10. No. 7
Regular List 70%	Cast Iron. 654	Chatillon's No. 1	Barnes' No. 1, \$8; No. 6, \$10; No. 7, \$15
Rollers-	Cast Bronze and Brass 62144	Chatillon's No.280%	Barnes' Scroll Saw Blades 40%
Lane's, Stay831/65	Payson's Perfect	Scrapers, &c.—	C. E. Jennings & Co
			Cricket
Rope—	Sash Weights-	Adjustable Box Seraper (S. R. & L. Co.) \$6 00	
Cotton Rope, Best, 39 15	Small lots	Box, 1 Handle	Scythes, Grass— \$\psi\ doz.
Medium, 14 in. and larger	Ton lots at factory \$20.00@22.50	Foot55&5@60&5%	
Jute Rope:		Ship Common % doz. \$2.40 net Ship, R. I. Tool Co	Natural Finish
A grade	Sausage Stuffers or Fillers—		Painted or Bronzed 8.00 Weed and Bush 7.25@ 7.50
C grade5c Manila:	Draw Cut, No. 4each \$80.00, 20%	SIDEWALK-	Weed and Dush 1.20@ 1.30
7-16 in. and larger	Enterprise Mfg. Co25@25&71/42 National Specialty Mfg. Co25%	Kohler's, Steel No. 7 ♥ doz. \$8.00	goodons –
% in		Common	Seeders—
Signal:	Saws—	Screens—	Raisin, Enterprise25@30%
7-16 in. and larger 8 c	Atkins:	DOOR—	
% in	Band 7 to 14 in. Wide	Phillips: \$\text{\$\psi\$ doz.}\$ in Style E, Fancy Screen	Shears—
•	Band 1/4 to 2 in. Wide 60%	Doors \$10.00	Acme (Cast)
Rules—	Butcher, Pruning and Compass 40&5% Circular	%-in., Style G, Common Screen Doors	Ætna, Steel Nickeled
Athol, Steel	Cross Cut 95.8-5¢	%-in Style K. Fancy Screen	Barnard Lamp Trimmersnet Carrier Cutlery Co.:
1VOTY	Gang. 50% Hand, Panel and Rip. 40% Wood. 40%	%-in., Style K4, Fancy Screen	N. P. Straight Trimmera 66344
Lufkin's: Steel	Wood	Doors 8.50	N. P. Bent Trimmers 66736 Japanned Straight 70&10%
	Circular, Solid and Inserted Tooth .50%	window-	Japanned Bent
Miscellaneous, Stanley's .55&10% Starrett's Rules and Straight Edges,	Band 8 in. to 14 in. Wide	Porter Screen Mfg. Co60@60&5%	St. Trimmers, etc60&10@60&10&10%
Steel25&10	Cross Cuts45%	Phillips: Bonanza Screens 60@60&5%	Tailors' Shears. 40% Tinners' Snips
Sad Irons—	Narrow Cross Cuts 55% Mulay, Mill and Drag 50%	Express	Pruning. See Pr'ning Hooks & Shears.
Chinese Laundry 8 h 41/4c	Framed Wood Saws. 85% Wood Saw Blades. 40%	Flyer	Seymour's Standard List: Japanned
Cumere Sau	Wood Saw Rods	Northwest	Nickeled 60% Standard Cutlery Co.:
Crown, Polished. \$\pi\ doz. \$6.50 Crown, Nickel. \$\pi\ doz. 7.00	Hand Saws, Nos. 12, 99, 9, 16, D100, D8, 120, 76, 77, 8	Wilder Scient France	Japanned
Common 4 to 10	D8, 120, 76, 77, 8. 25% Hand Saws, Nos. 7, 107, 10714, 8, 1,	Screw Drivers-	Nickeled
COLD HANDLED-	Compass, Keyhole, Pruning, Dove-	Brace Screw Drivers25&10&5%	Nickel Scissors
Enterprise Mfg. Co. of Pa 30&5%	tail, &c	Buck Bros 30% Screw-Driver Bits 27163	Nickel Shears
Self-heating Tailors' 20 doz \$10.00, 20.5	Haines' Needle Point40%	Chambian 40	Tailors' Shears40&10
Sensible Nickel \$\frac{1}{2}\text{doz.}\frac{2.30}{2.50}\text{2.50}\text{Sensible Polished}\text{Pdoz.}\frac{6.50}{2}\text{doz.}\frac{6.50}{6.50}\text{Sensible Totalestates}	C. E. Jennings & Co.'s: Butcher	Diseton s Flat Blade, Electric, Telegraph and Cabinet Makers' 70%	Pruners 70% Tinners' Snips 40&10%
Sensible, Tailors'# doz. 6.50	Hand Panel, Rip and other Saws	Electric Spiral No. 01 1 doz. \$6.00 net	
	Peace: \$25@30%	Blirich's Socket and Ratchet40&10%	Shears, Hedge-
Safety Fuse—	Cross Cuts	Bilrich's Socket and Ratchet 40&10% Fray's Hol. Hdle. Sets. No. 3 & 312, 50% Howard-Allard Al \$\psi\ doz \$0.00 net A2 \$\psi\ doz \$0.00 net	Wm. Wilkinson & Sons50%
See Fuse.	Richardson:	C. F. Jonnings & Co. 18.00 net	,,
Safety Lifts-	Circular and Mill50@50&10s X Cuts	Jennings & Griffin	Sheaves—
Burr Mfg. Co., Steel50@60%	Hand Saws	Jones Reversible Spiral No. 1, # doz. \$13.50 net; No. 2 # doz\$12.00	SLIDING DOOR—
Sand and Emery Paper and	Star, Butcher	Sargent & Co.'s:	Corbin's list
Cloth-	45&10%	No. 1 Forg. Blade 50&10@50&10&5% Nos. 20 and 40	Hatfield's Pattern70&10@80%
Baeder, Adamson & Co.'s:	HACK SAWS AND FRAMES-	Screw-Driver Bits (Snell's) \$\mathread \text{doz60c}	M. W. Co., list July, 1888. 50&10@60&5% Stowell's Anti-Friction
Emery Cloth	Chatillon80%	Stanley R. & L. Co.'s: No. 64, Varnished Handles60&10%	Patent Roller 60&10@60&10&5%
Sand and Emery Paper 50&10%	Disston's:	No. 86	R. & E., list August 15, 1895. 60&10@60&10&55
Sash Balances—	Concave Blades	Tower & Lyon:	Russell's Anti-Friction, list December 18, 1885
Caldwell Mfg. Co50%	chine Blades	Champion	-01 20 1000
Sash Chain—	Griffin's:	Magazine	SLIDING SHUTTER-
	Complete	Balsley's Patent	Reading list
Competition	Saw Blades	Beauty, # doz	R. & E. Mfg. Co. 's 60@60&10%
MODRICO 40 & 10-		C. T. Williamson Wire Novelty Co40%	Sargent's list70%
Red Metal	Saw Filer-	_	
Sash Cord—	Disston's D3 Clamp and Guide, \$80.00	Screws—	Shells—
	₩ doz25%	WOOD SCREWS-	See Ammunition.
Cable Laid Italian # 15 16@18c Cable Laid Russia # 15 1814@14c	Saw Frames—	List, January 1, 1900. Brass, Flat Head85@8714%	
Common India. \$ 15 9@10c Patent Russia \$ 12 12 1/2 (18c	C. E. Jennings & Co	Brass, Round Head	Shot-
Patent India # 10 1016@12c	Richardson's Woodnet	Bronze, Flat Head	See Ammunition.



Shovels and Spades-	SILVER PLATED FLAT WARE-	Swedes Iron Tacks;	Nellis Forkeach, 1.60
Association prices to small trade.	L. Boardman & Son Catalogue " C "	8. 8	New Myers Iron Rod Car 8.25
No. 2, Polished, Square or Round	net T.ist	Bill Posters' and Railroad Tacks: S. S90&40%	Reed Wood Frame Pulley with Hook, Fig. 484
Point, D or L Handle: A1, B2,	"1847"	Common and Patent Brads70&10%	Rev. Car., Double Steel Track 8.50
1st Grade. 2d Grade	"Anchor" 50&10% "Eagle" 50&10% "Star" 50&10%	Finishing Nails	Rev. Car., Wood Track 8.25 Rope Hitch
Plain Back\$10.50 \$9.60 Strap Back 9.90 9.00	** Star ''	8. 8	Single Rail Car, Single Steel T 8.50 Single Rail Steel Track with
Cleveland Pattern, 10.20 9.80	Rogers & Hamilton	Hungarian Nails, Steel80&15% Lace Tacks:	Bingle Rail Steel Track with clamps
C8, D4, 8d Grade. 4th Grade	Holmes & Edwards50&10&10%	8.890&40%	Sprout's Shear Fork, each
Plain Back \$8.70 \$8.10	German Silver, unplated50%	Looking Glass Tacks 70&10%	Steel Frame Pulley with Iron
Strap Back 8.10 7.50	KNIVES AND FORKS NO. 12-	Trimmers' Tacks: _S. S	Sheave, Fig. 565, \$\varphi\$ doz 1.85 Sure Grip Sling Car, Steel or Wood
Cleveland Pattern. 8.40 7.80 All other sizes, add 80c. dos.		Trunk and Clout Nails:	Track 6.00
Black, deduct 80c. doz.	** 1847 ''\$3.50	Steel, Black	Walker Fork, each
	"Anchor" 8.25 "Eagle" 8.25 "Star" 8.25	Upholsterers's Tacks:	
Shovels and Tongs—	"Star" 8.25	8. 890&40%	
Brass Head60&10@60&10&10%	ROPER SMITH AS CO	MARCHAEL AND CHA	Transom Lifters—
Iron Head	Rogers & Hamilton	MISCELLANEOUS-	Ajax 50&10@50&10&5%
	Monnies de Bulwards	Double Point, in dozens,	Bronze Metal, with Safety Spring 50@50&10%
Shutter Bars—	Springs-	90&10&10&10&10&10&10& Double Point, in bulk80%	Crescent
Ives'	_	Matting	Dickson's
2100	See Door Springs.	Shade, in dozens90&10&10% Shade, in bulk80%	Payson's Solid Grip, Nos. 308 and
	Sandara Balana	Shade, in bulk	804, \$ 100\$12.00
Shutter Bolts—	Spring Balances		Shaw's: Copper Finished80&10%
See Bolts, Shutter.	See Balances.	Tack Pullers -	Lever
		Columbia, No. 1, # doz., net\$1.00	
Sifters, Flour—	Spring Hinges-	Columbia, No. 2, \$\frac{1}{2}\ doz., net	Trons
Hunter's Genuine 9 gross, \$10@\$11.50	See Hinges.	Little Jack 4 doz., 1.00	Traps—
STEERED & GORGIDO & BIOGS, \$1080\$11.00	-		PLY—
	Squares—	Tapes, Measuring—	Balloon # doz. \$1.25, # gro. \$12.00
Skate Sharpeners—		American Asses' Skin40&10@50%	Globe \$\pi doz. 1.25, \$\pi gro. 12.00 Harper \$\pi doz. 1.40, \$\pi gro. 15.00
Eure ka₽ doz. \$1.75; ₽ gro. \$18.00	Disston's Try Square and T Bevels,	Leather Case	Tat hat
- · · · · · · ·	Starrett's Micrometer Caliper Squares,	Steel 83/4/0/40%	GAWP
Slaw and Kraut Cuttors-	25≴ Try Square and T Bevel60&10	Keuffel & Esser Co., New List, 1898:	GAME—
	@60&10&10\$	Steel and Metallic 86%	Star, Blake's Pattern
Disston's: Slaw, Yegetable, Corn Grater, Tur-	Winterbottom's Try and Mitre40&10%	Lufkin's Steel and Metallic30@381/4%	H. & N65%
_ nip Shredder	Nickel Plated. New List Jan. 5, 1900,		Newhouse
Kraut Cutters, 24x7, 26x6, 80x955%	Steel and Iron	Tap Borers-	Victor
Kraut Cutters, 86x12, 40x13 40x Enterprise		See Borers, Tap.	
Enterprise Mfg. Co	Staples-		MOUSE AND RAT-
Tucker & Dorsey: 1 Knife	Barbed Blind-14, 56, and 34 inch,	Taps—	Erie Rat 40@40&10%
2 Knives	₩ b		Hotchkiss: Metallic Mouse 50%
Krant Cutters	, -	American Screw Co.: Machine Screw70%	Improved Rat50%
Woodrough & McParlin40%	FENCE-	Holrovd & Co.'s:	New Rat50%
	Same price as Barb Wire. See Trade	Blacksmiths	Mouse, Bonanza, \$\forall doz90c@\$1.00 Mouse, Catch-'em-alive, \$\forall doz.\$\forall 2.50, 15\forall
Sledges and Heavy Hammers-	Report.	Machinists' Hand60@60&10&10%	Mouse, Delusion
See Hammers.		Pipe, 16 to 114	Mouse, Ideal, % gro
	Stay Rollers—	Pipe, 2 to 4	Mouse, Round Wire, \$\pi \doz\\$1.00, 10\pi Mouse, Wood, Choker, \$\pi \doz. holes,
Slicers-	Cronk's, No. 5065345		9@10c
SHCGLS-	" Nos. 55 and 5670&10x	Thumb Latches-	Marty French Rat and Mouse Traps
Vegetable, Enterprise 25%	No. 60	See Handles.	(Genuine): No. 1, Rat, each \$1.18, \$\ doz\$12.00
Vegetable, Enterprise 25%	** No. 60	See Handles.	No. 1, Rat, each \$1.18, \$\doz\$12.00 No. 8, Rat, \$\doz., \$6.00; case
Vegetable, Enterprise25% Smiths' Bellows—	* No. 6560&10%		No. 1, Rat, each \$1.18, \$\ doz \$12.00 No. 8, Rat, \$\ doz., \$6.00; case of 50
· · · · · ·	" No. 6560&10%	Tinware-	No. 1, Rat, each \$1.13, \$\vec{9}\ doz\$12.00 No. 8, Rat, \$\vec{9}\ doz\$6.00; case of 50
Smiths' Bellows-	* No. 6560&10%	Tinware— Stamped, Japanned and Pieced,	No. 1, Rat, each \$1.13, \$7 doz\$12.00 No. 8, Rat, \$7 doz., \$6.00; case of 50
Smiths' Bellows— See Bellows.	" No. 65	Tinware— Stamped, Japanned and Picced, Net Prices.	No. 1, Rat, each \$1.13, \$\psi \omega \cdot \c
Smiths' Bellows— See Bellows. Snaps, Harness, &c.—	" No. 6560&10%	Tinware— Stamped, Japanned and Pieced,	No. 1, Rat, each \$1.13, \$7 doz\$12.00 No. 8, Rat, \$7 doz., \$6.00; case of 50
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Míg. Co.)	" No. 65	Tinware— Stamped, Japanned and Picced, Net Prices.	No. 1, Rat, each \$1.18, \$\vert doz \$12.00 No. 8, Rat, \$\vert doz \$8.00; case of 50
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mig. Co.)	" No. 65	Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts—	No. 1, Rat, each \$1.18, \$\vert doz \$12.00 No. 8, Rat, \$\vert doz \$8.00; case of 50
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.)	" No. 65	Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts.	No. 1, Rat, each \$1.18, \$\vert doz \$12.00 No. 8, Rat, \$\vert doz \$8.00; case of 50
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Míg. Co.)	" No. 65	Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters—	No. 1, Rat, each \$1.18, \$\vert doz\$12.00 No. 8, Rat, \$\vert doz, \$8.00; case of 50
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.)	" No. 65	Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts.	No. 1, Rat, each \$1.18, \$7 doz\$12.00 No. 8, Rat, \$7 doz., \$8.00; case of 50
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.)	" No. 65	Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.18, \$\vert doz\$12.00 No. 8, Rat, \$\vert doz, \$8.00; case of 50
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.) .55% Cockeyes .66% .55% Fitch's: .65% Bristol .40%	" No. 65	Tinware— Stamped, Japanned and Picced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.18, \$\vert doz \. \\ \$12.00 \\ No. 8, Rat, \$\vert doz \. \\ \$8.00; case \\ of 50 \. \. \. \. \\ No. 3\sqrt_6, Rat, \$\vert doz \. \\ \$4.75; case \\ of 72 \. \. \. \. \. \\ No. 4, Mouse, \$\vert doz \. \\ \$3.50; case \\ of 72 \. \. \. \. \. \\ No. 5, Mouse, \$\vert doz \. \\ \$2.75; \\ case of 180 \. \. \. \. \\ Schupler Rat Killer, No. 1, \$\vert gro, \\ \$15.00; No. 2, \$\vert gro \. \. \\ \$15.00; No. 2, \$\vert gro \. \. \\ \$15.00 \\ Mouse, No. 3 \. \. \\ Mouse No. 3 \. \. \\ \$15.00 \\ Superior Rat Trap \. \. \\ \$15.00 \\ Yankee Mouse Trap \. \. \. \\ \$10.00
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Míg. Co.)	" No. 65	Tinware— Stamped, Japanned and Picced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.18, \$\vert doz \\ \\ \text{st} \ \text{st} \ \text{otz} \\ \text{st} \ \text
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.) .55% Cockeyes .66% .55% Fitch's: .65% Bristol .40%	" No. 65	Tinware— Stamped, Japanned and Picced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.18, \$\vert doz \. \\ \$12.00 No. 8, Rat, \$\vert doz \. \\ \$8.00; case of 50 \
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.) .55% Cockeyes .66% Fitch's: .45% Bristol .40&10 Champlon .40% Clipper .50&5% Security .50&5% Security .40% Victor .60&5% Security .40% Victor .60&5% German, new list .40% Sargent's: .40% .4	" No. 65	Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.18, \$\vert doz \. \\ \$12.00 No. 8, Rat, \$\vert doz \. \\ \$8.00; case of 50 \
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.) .55% Cockeyes .66% Fitch's: .45% Bristol .40&10 Champion .40% Clipper .50&10&5% Rappire .50&5% National .50&5% Security .40% Victor .60&5% German, new list .40% Sargent's: Patent Guarded .65% Covered Spring .50@55%	" No. 65	Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.18, \$\vert doz \. \\ \$12.00 No. 8, Rat, \$\vert doz \. \\ \$8.00; case of 50 \
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.)	" No. 65	Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.13, \$\vert doz \(\) \$12.00 No. 8, Rat, \$\vert doz \(\) \$8.00; case of 50
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.)	" No. 65	Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.13, \$\vert doz \(\) \$12.00 No. 8, Rat, \$\vert doz \(\) \$8.00; case of 50 \(\) \$0.50 \(\) \$0.00; \$2.55 No. 3\(\) \$4, Rat, \$\vert doz \(\) \$4.75; case of 72 \(\) \$0.20 \(\) \$3.50; case of 72 \(\) \$0.20 \(\) \$2.75; case of 150 \(\) \$2.25 Schuyler Rat Killer, No. 1, \$\vert gro. \(\) \$15.00 Mouse, No. 2, \$\vert gro. \(\) \$15.00 Mouse, No. 3 \(\) 9.00 Smith & Egge Mg. Co. : \$\vert doz \(\) \$0.00 Yankee Mouse Trap \(\) \$15.00 Yankee Rat Trap \(\) \$15.00 Trowels— Brade's Brick \(\) 80% Diaston's: Brick and Pointing \(\) 25% "Standard Brand" and Garden \(\) 40% C. E. Jennings & Co. : 30%
Smiths' Bellows—	" No. 65	Tinware— Stamped, Japanned and Picced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.18, \$\vert doz \\ \$12.00 No. 8, Rat, \$\vert doz \\$8.00; case of 50 \ No. 3\sqrt_6, Rat, \$\vert doz \\$4.75; case of 72 \ No. 4, Monse, \$\vert doz \\$3.50; case of 72 \ No. 5, Monse, \$\vert doz \\$3.50; case of 72 \ No. 5, Monse, \$\vert doz \\$2.75; case of 180 \ Schupir Rat Killer, No. 1, \$\vert gro \\$15.00 Mouse, No. 3 \ Mouse, No. 3 \ Superior Rat Trap \\$15.00 Superior Rat Trap \\$15.00 Yankee Mouse Trap \\$15.00 Yankee Mouse Trap \\$15.00 Trowels— Brade's Brick \\$0% Disston's: Brick and Pointing \\$0% Plastering \\$25% "Standard Brand" and Garden \\$40% C. E. Jennings & Co.: Brick \\$0% Plastering \\$25%
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.) 55% Cockeyes 66% Pitch's: 45% Boit 40&10 Champion 40% Clipper 50&10&5% Rapire 50&5% National 50&5% Security 40% Victor 60&5% German, new list 40% Sangent 8: Patent Guarded 66% Covert Mfg. Co. : Breast Strap Buckle Snaps Breast Strap Protector Double for Bits or Trace Carrier Trojan Snaps High Grade Snaps	" No. 65	Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.18, \$\vert doz \\ \$12.00 No. 8, Rat, \$\vert doz \\$8.00; case of 50 \ No. 3\sqrt_6, Rat, \$\vert doz \\$4.75; case of 72 \ No. 4, Monse, \$\vert doz \\$3.50; case of 72 \ No. 5, Monse, \$\vert doz \\$3.50; case of 72 \ No. 5, Monse, \$\vert doz \\$2.75; case of 180 \ Schupir Rat Killer, No. 1, \$\vert gro \\$15.00 Mouse, No. 3 \ Mouse, No. 3 \ Superior Rat Trap \\$15.00 Superior Rat Trap \\$15.00 Yankee Mouse Trap \\$15.00 Yankee Mouse Trap \\$15.00 Trowels— Brade's Brick \\$0% Disston's: Brick and Pointing \\$0% Plastering \\$25% "Standard Brand" and Garden \\$40% C. E. Jennings & Co.: Brick \\$0% Plastering \\$25%
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.)	" No. 65	Tinware— Stamped, Japanned and Picced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.18, \$\vert doz \\ \$12.00 No. 8, Rat, \$\vert doz \\$8.00; case of 50 \ No. 3\vert doz \\$4.75; case of 72 \ No. 4, Mouse, \$\vert doz \\$3.50; case of 72 \ No. 5, Mouse, \$\vert doz \\$3.50; case of 72 \ No. 5, Mouse, \$\vert doz \\$2.75; case of 180 \ Schupler Rat Killer, No. 1, \$\vert gro \\$15.00 Mouse, No. 3 \ Mouse, No. 3 \ 9.00 Smith \$\vert Egge Mfg. Co. \vert doz \\$15.00 Yankee Mouse Trap \\$15.00 Yankee Mouse Trap \\$16.00 Trowels— Brade's Brick \ Brick and Pointing \ Brick and Pointing \ C. E. Jennings & Co. \ Brick \ Pastering \ Pastering \ Pastering
Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.) 55% Cockeyes 66% Pitch's: 45% Boit 40&10 Champion 40% Clipper 50&10&5% Rapire 50&5% National 50&5% Security 40% Victor 60&5% German, new list 40% Sangent 8: Patent Guarded 66% Covert Mfg. Co. : Breast Strap Buckle Snaps Breast Strap Protector Double for Bits or Trace Carrier Trojan Snaps High Grade Snaps	"No. 65	Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.13, \$\vertil{\pi}\$ doz. \$12.00 No. 8, Rat, \$\vertil{\pi}\$ doz., \$8.00; case of 50
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Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.)	Steels— Chatillon's 30% Stocks and Dies. BICYCLE— Holroyd & Co. 35% BLACKSMITH's— Butterfield's 38%40% Gardner 381% 10% Holroyd & Co. 40%0% Lightning Screw Plates 25%30% PIPE MAKERS— Holroyd & Co	Tinware— Stamped, Japanned and Pieced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.13, \$\vertil{\pi}\$ doz. \$12.00 No. 8, Rat, \$\vertil{\pi}\$ doz., \$8.00; case of 50
Smiths Bellows See Bellows	Steels— Chatillon's	Tinware— Stamped, Japanned and Pieced. Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.13, \$\vertil{\pi}\$ doz. \$12.00 No. 8, Rat, \$\vertil{\pi}\$ doz., \$8.00; case of 50
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Smiths' Bellows—	Steels— Chatillon's	Tinware— Stamped, Japanned and Pieced. Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.13, \$\vertil{\pi}\$doz \$12.00 No. 8, Rat, \$\vertil{\pi}\$ doz., \$6.00; case of 50
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Smiths' Bellows—	"No. 65	Tinware— Stamped, Japanned and Pieced. Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.13, \$\vertil{\pi}\$ doz\$12.00 No. 8, Rat, \$\vertil{\pi}\$ doz\$6.00; case of 50
Smiths' Bellows—	"No. 65	Tinware— Stamped, Japanned and Picced. Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.13, \$\vertil{\pi}\$ doz\$12.00 No. 8, Rat, \$\vertil{\pi}\$ doz\$6.00; case of 50
Smiths' Bellows-	Steels— Chatillon's	Tinware— Stamped, Japanned and Picced, Net Prices. Tire Bolts— See Bolts. Tobacco Cutters— National Specialty Co	No. 1, Rat, each \$1.13, \$\vertil{\pi}\$ doz. \$12.00 No. 8, Rat, \$\vertil{\pi}\$ doz., \$86.00; case of 50

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Stearns Rubber Jaw, Nos. 10 and 83,	Nos. 19 to 28	Linseed, City, Raw, in barrels, e gan or	In machine bbls
Wentworth's	Nos. 27 to 86	Finaleed, City, Boiled, in Barrens, \$\pi\$ gal. 58c	
W GUT MOLEU B	Nos. 6 to 14	Out of Town on Spot % gal. 51c	Dry Colors—
	Nos. 15 to 18	Calcutta, Raw, in barrels gal. 85c	Blue, Chinese
Wads-	Nos. 19 to 25	Lard, Prime City 9 gal. 70@72c	Blue, Prussian
See Ammunition.	Picture Wire, List of Oct. 2, 1900	Extra, No. 1	Blue, Ultramarine 6 @30 e
	85@85&10 %	No. 1	Sienna, Italian, burnt &
Wagon Jacks—	Steel Music Wire, Nos. 12 to 30, Imported	No. 14000440	powdered
•	Stub's Steel Wire\$6.00 to £ 33145	Paints and Colors—	Sienna, Italian, raw &
Covert Mfg. Co.'s, Steel		Barytes, Foreign Floated, * ton,	powdered 8 @ 7 c
22000 0 0000000000000000000000000000000	Wire Clothes Lines-	\$20.00@\$21.00	Umber, Turkey, burnt 214@ 314e
Washer Cutters-	See Lines.	Barytes, American Floated, \$\varphi\$ ton,	Umber, Turkey, raw 214@ 814c
	3 44 2 .244	\$19.00@\$20.00	Green, Chrome, Ordinary 5 @ 7 c
Otis A. Smith's20&10&10%	Wire Cloth, Netting, &c	Barytes, Crude \$ ton 9.00@ 10.00	Green, Paris, in bulk15 @16 c
	Galvanized Wire Netting 80&10@80&20%	White Lead, American, Dry, in bbls.	Indian Red, American 21/4@ 8 e
Well Wheels—	Painted Screen Cloth, good quality,	₩ 1b. 6@6½°	Indian Red, English 414@ 814e
Japanned, 8 to 14 inches	39 100 sq. ft. \$1.00@1.10	White Lead, American, in Oil, in lots	, -
	wites There	of less than 500 lbs	Colors in Oil-
Weed Extractors—	Wire Rope—	In lots of 500 hs. and over b. 614c	Black Lampblack, best 18 @15 c
" Pastime" 🗘 doz. \$1.75 net	New List July 1, 1899. Cast Steel	White Lead, Foreign, in Oil. \$2 b. 8@914c	Black Lampblack, common 8 @10 e
	Cast Steel	Litharge, Kegs # b. 614@7c	Blue, Chinese
Window Cleaners—	Iron, Galvanized25&10%	Zinc, American, Dry 18 lb. 434@514c	Blue, Prussian
Barnes Mfg. Co40%	•	Sinc, mucion, 51, 15. 17460/40	Blue, Ultramarine 14 @18 c
Clayton's	Wire Rope Clips-	Putty-	Sienna, burnt
	Crosby	In bulk\$1.90	Sienna, raw
Window Stop Adjusters-	•	In bladders 2.40 In cans, 50 ib 2.00	Umber, burnt11 @18 c
Ives' New List	Wire Stretchers-	In cans, 25 fb	Umber, raw11 @18 c
Taplin's "Perfection"50%	W. C. Heller's Grip # doz. \$1.50	In cans, 121/4 lb 2.50	Brown, Vandyke 11 @18 c
		7 T	



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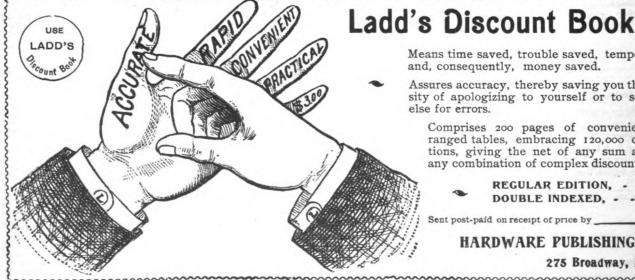
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J. D. Warren Mfg. Co., Chicago, Ill.

Counters, Nail Bin.

J. D. Warren Mfg. Co., Chicago, Ill. Countersinks.

C. E. Jennings & Co., New York. Smith & Hemenway Co., New York. Underhill, Clinch & Co., New York.

Cover Lifters, Stove. Troy Nickel Works, Albany, N. Y.

Crayons.

Joseph Dixon Crucible Co., Jersey City, N. J.

Curled Hair.

Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Curry Combs.

& E. T. Fitch Co., New Haven. John H. Graham & Co., New York.

Cutlery, Pocket.

John Chatillon & Sons, New York.
Jackson Knife & Shear Co.,
Fremont, O.
Jos. Rodgers & Sons, Sheffield, Eng.
Voigt, Starr & Co., New York.

Cutlery, Table.

Aifred Field & Co., New York. Goodell Co., Antrim, N. H. Jos. Rodgers & Sons, Sheffield, Eng-R. H. H. Smith, New York, N. Y.

Cutlery Specialties. Smith & Hemenway Co., New York.

Cutters, Fodder. Silver Mfg. Co., Salem, Ohio.

Cutters, Pipe. H. F. Livermore, Boston, Mass.

Cutters, Bod. Chandler & Farquhar, Boston.

Cutters. Wire Bridgeport Mfg. Co., Bridgeport, Conn.

Cutting Pliers

Bridgeport Mfg. Co., Bridgeport, Conn. Conn.
Cronk & Carrier Mfg. Co., Elmira,
N. Y.
Charles Morrill, New York.

Dairy Scales. Osgood Scale Co., Binghamton, N. Y.

Dies. Steel. Schwerdtle Stamp Co., Bridgeport, Conn.

Discount Books. Hardware Publishing Co., New York.

Dog Collars and Muzzles

Alfred Field & Co., New York.
Tower & Lyon, New York.
Union Hardware Co., Torrington,
Conn.

Door Checks and Springs. Jos. Bardsley, New York. Henry Pearl & Sons, New York. Sargent & Co., New York.

Door Holders. Caldwell Mfg. Co., Rochester, N. Y. Henry Pearl & Sons, New York. Door Springs. Sargent & Co., New York.

Dormant Scales. Osgood Scale Co., Binghamton, N. Y.

Drawers, Hardware. J. D. Warren Mfg. Co., Chicago, Ill.

Drawing Instruments. C. E. Jennings & Co., New York. Keuffel & Esser Co., New York. Sargent & Co., New York.

Drawing Knives. Tower & Lyon, New York.

Drills, Bench.

Chandler & Farquhar, Boston, Mass. Silver Mfg. Co., Salem, Ohio. (See Twist Drills.)

Drills, Hand. Duff Machine Co., Lowell. Mass.

Drilling Attachments.
Silver Mfg. Co., Salem, Ohio. Drills, Blacksmiths', Etc.

Sargent & Co., New York. Silver Mfg. Co., Salem, Ohio. Drill Presses.

Silver Mfg. Co , Salem, Ohio.

Dumb Waiters. Kimbali Bros. Co., Council Bluffs,

Duplicators.

Felix F. Daus Duplicator Co., New York.

Electric Bells and Supplies. John H. Graham & Co., New York, Smith & Hemenway Co., New York,

Elevator Enclosures and Cars.

J. E. Bolles Iron and Wire Works, Detroit, Mich.

Elevators.

Kimball Bros. Co., Council Bluffs,

Emery and Garnet Paper.

Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Enameled Bath Tubs. Colwell Lead Co., New York.

Engravers.

Standard Engraving Co., New York.

Ensilage Cutters. Silver Mfg. Co., Salem, Ohio.

Envelope and Stamp Lubrica-

Pelouze Scale & Mfg. Co., Chicago. Escutcheons and Push Plates.

Brass Goods Mfg. Co., Brooklyn, N.Y. Sargent & Co., New York.

Expansion Bolts. D. C. Seaman & Co., Philadelphia.

Export Agents. John H. Graham & Co., New York.

Eyelets and Eyelet Sets. Eyelet Tool Co., Boston, Mass.

Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madison, Iowa. Underhill, Clinch & Co., New York.

Faucets, Metal.

John H. Graham & Co., New York. Smith & Hemenway Co., New York.

Faucets, Wood.

John Sommer's Son, Newark, N. J.

Fence Machines.

Superior Fence Machine Co., Detroit, Mich. Torrent Pump & Fence Co., Cleve-land, O.

Fences, Wire and Iron.

W. J. Adam, Jollet, Ill.
J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Clinton Wire Cloth Co., Clinton, Mass.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland,
Ohio.

Field Hoes.

Geneva Tool Co., Geneva, O.

G. & H. Barnett Co., Philadelphia. Alfred Field & Co., New York. Hayes File Co., Detroit, Mich. Nicholson File Co., Providence, R. I.

Champion Safety Lock Co., Cleveland, O.
Fulper Pottery Co., Flemington, N.J.

Alfred Field & Co., New York.
Harrington & Richardson Arms Co.,
Worcester, Mass.
Remington Arms Co., New York.
J. Stevens Arms & Tool Co., Chicopee
Falls, Mass.

Fishing Tackle.

Enterprise Mfg. Co., Akron, O.

Flat Ware

See Plated Ware.

Floor Plates.

Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

Flower Pot Stands.

Gilbert & Bennett Mfg. Co., New York and Chicago.

Fodder Cutters.

Silver Mfg. Co., Salem, Ohio.

Food Choppers.

Chas. D. Brown, New York, Enterprise Mfg. Co. of Pa., Phila., Pa. Sargent & Co., New York, and New Haven, Conn.

Forgings, Carriage.

Columbus Bolt Works, Columbus, O.

Foundry Riddles.

Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.

Fox Machine Co., Grand Rapids, Mich. Sargent & Co., New York.

Fruit Presses. Enterprise Mfg. Co. of Pa., Philadelphia.

Fuanace Shovels.

Geneva Tool Co., Geneva, Ohio,

Galvanizing, Electro.

U. S. Electro-Galvanizing Co., New York.

Garden Hoes.

Geneva Tool Co., Geneva, O.

Garden Tools.

Alfred Field & Co., New York. Geneva Tool Co., Geneva, O. Underhill, Clinch & Co., New York.

Gasfitters' Supplies.

Colwell Lead Co., New York.

Gasoline Lamps.

Argand Vapor Lamp Co., Detroit, Mich. Imperial Gas Lamp Co., Chicago, Ill.

Cronk & Carrier Mfg. Co., Elmira, N. Y. Smith & Hemenway Co., New York.

Gas Stoves

Favorite Novelty Co., Detroit, Mich.

Gauges, Butt.

Stanley Rule and Level Co., New York.

Glass Cutters.

John Byrnes, New York. Smith & Hemenway Co., New York.

Allerton-Clarke Co., New York.
Baeder, Adamson & Co., New York,
Philadelphia, Boston and Chicago.
N. Y. Cabinet Glue Works, New York.
Tower & Lyon, New York.

Graphite.

Joseph Dixon Crucible Co., Jersey City, N. J.

Grass Hooks.

Iowa Farming Tool Co., Ft. Madison, Ia. Underhill, Clinch & Co., New York.

Grindstones

Cleveland Stone Co., Cleveland.

Gummers, Saw.

E. C. Atkins & Co., Indianapolis, Ind.

Gunpowder.

Tower & Lyon, New York.

Gun Implements.

Remington Arms Co., New York. Union Hardware Co., Torrington, Conn.

Hair Felting.

Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Halter Chains.

Halters, Web and Bope.

Covert Mfg. Co., West Troy, N. Y.

Covert Mfg. Co., West Troy, N. Y.

Hammers. John H. Graham & Co., New York.
Arthur R. Robertson, Boston, Mass.
Sargent & Co., New York.
Smith & Hemenway Co., New York.
Stanley Rule and Level Co., New
York.
The Scranton & Co., New Haven,
Conn.

Handles, Tool.

Berger Bros. Co., Philadelphia. Geneva Tool Co., Geneva, O. N. Y. Mallet & Handle Works, New York, N. Y.

Hangers, Coat and Hat.

Cronk & Carrier Mfg. Co., Elmira, N. Y. Hangers, Pipe.

Berger Bros. Co., Philadelphia.

Hangers, Barn Door. Cronk & Carrier Mfg. Co., Elmira, N. Y.
John H. Graham & Co., New York.
Lane Bros. Co., Poughkeepsie, N. Y.
McKinney Mfg. Co., Allegheny, Pa.

Hangers, Joist and Wall.

National Iron & Wire Co., Cleveland, Van Dorn Iron Works Co., Cleveland. Ohio.

Hangers, Parlor Door.

John H. Graham & Co., New York. Lane Bros. Co., Poughkeepale, N. Y. Sargent & Co., New York.

Hardware Cabinets.

J. D. Warren Mfg. Co., Chicago, Ill.

Hardware Cases. J. D. Warren Mfg. Co., Chicago, Ill.

Hardware Mfrs' Agents, Etc. John H. Graham & Co., New York. Robert Murray, New York. Underhill, Clinch & Co., New York.

Hardware Shelving. J. D. Warren Mfg. Co., Chicago, Ill.

Hardware Specialties. Clark & Cowles, Plainville, Conn.
Enterprise Mfg. Co. of Pa., Philadelphia.
Alfred Field & Co., New York.
Charles Morrill, New York.
Robert Murray, New York.
Sargent & Co., New York.
Smith & Hemenway Co., New York.

Harness Dressing.

Frank Miller Co., New York, N. Y.

Harness Snaps.

Covert Mfg. Co., West Troy, N. Y. W. & E. T. Fitch Co., New Haven, Sargent & Co., New York.

Hasps and Staples. McKinney Mfg. Co., Allegheny, Pa.

Hay Carrying Tools.

F. E. Myers & Bro., Ashland, Ohio.

Hay Forks.

Ashtabla Tool Co., Ashtabnia, O. Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madison, Ia. Underbill, Clinch & Co., New York, Willoughby Fork & Mfg. Co., Willoughby, O.

Hay Knives.

Iwan Bros., Streator, Ill.

Heaters. Oil.

Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Hinges.

Clark Mfg. Co., Buffalo, N. Y. McKinney Mfg. Co., Allegheny, Pa. Niles Mfg. Co., Chicago. Sargent & Co., New York.

Hinges, Blind.

R. P. Whipple & Co., Springfield,

Hinges. Shutter.

Clark Mfg. Co., Buffalo, N. Y.

Hinges, Spring.

Bommer Bros., Brooklyn, N. Y. Niles Mfg. Co., Chicago. Sargent & Co., New York.

Hinges, Trunk, Box and Door. Brass Goods Mfg. Co., Brooklyn, N.Y.

Hoisting Machinery.

Burr Mfg. Co., Cleveland, Ohio. Kimball Bros. Co., Council Bluffs, Ia.

Hones, Razor.

Alfred Field & Co., New York. Smith & Hemenway Co., New York.

Berger Bros. Co., Philadelphia. John H. Graham & Co., New York. Sargent & Co., New York.

Horse and Cattle Ties.

Covert Mfg. Co., West Troy, N. Y.

Ausable Horse Nail Co., New York. Capewell Horse Nail Co., Hartford, Conn.

Horse Rasps.

G. & H. Barnett Co., Phila., Ps. Nicholson File Co., Providence, R. I.

Hose, Fire, Linen.

Rossendale-Reddaway B. & H. Co., Newark, N. J.

Hose Menders.

John H. Graham & Co., New York.

Hose Pipe.

F. E. Myers & Bro., Ashland, Ohio.

Hose, Rubber.

F. E. Myers & Bro., Ashland, Ohio.

Ice Balances.

John Chatillon & Sons, New York. Pelouze Scale & Mfg. Co., Chicago.

Ice Cream Freezers.

John H. Graham & Co., New York. North Bros. Mfg. Co., Philadelphia. Tower & Lyon, New York.

Ice Chisels.

John Chatillon & Sons, New York. Iowa Farming Tool Co., Ft. Madison, Iowa.

Ice Creepers.

Rdwin B. Stimpson & Son, New York.
Tower & Lyon, New York.
Union Hardware Co., Torrington,
Conn.

Ice Picks.

John Chatillon & Sons, New York, Rrie Specialty Co., Erie, Pa. C. E. Jennings & Co., New York.

Ice Tools.

John Chatillon & Sons, New York. Brie Specialty Co., Erie, Pa. Smith & Hemenway Co., New York. Underhill, Clinch & Co., New York.

Iron, Sheet.

Bruce & Cook, New York.

Iron Fences

Enterplies Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleve-land, Ohio.

Colwell Lead Co., New York.

Iron Work

J. E. Bolles Iron and Wire Works, Detroit, Mich. Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleveland, Ohio.

Jack Chains.

Smith & Egge Mfg. Co., Bridgeport, Conn.

Kitchen Specialties.

Crescent Mfg. Co., Fremont, O.

Berger Bros. Co., Philadelphia. D. Dorendorf, New York. Lane Bros. Co., Ponghkeepsie, N. Y. F. E. Myers & Bro., Ashland, Ohio.

Lamps, Bicycle.

John H. Graham & Co., New York, Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Lamps, Hydro-Carbon.

Welsbach Co., Gloucester, N. J.

R. E. Dietz Co., New York.

Lard Presses.

Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Fences.

W. J. Adam, Joliet, Ill. Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleveland,

Lawn Mowers.

Enterprise Mfg. Co. of Pa., Phila-delphia. Underhill, Clinch & Co., New York.

Lawn Rakes

Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Ft. Madison, Ia. Underhill, Clinch & Co., New York.

Lawn Sprinklers.

Smith & Hemenway Co. New York.

Lawn Tools.

Geneva Tool Co., Geneva, O.

Bruce & Cook, New York. Colwell Lead Co., New York.

Lead Pencils.

Joseph Dixon Crucible Co., Jersey City, N. J.

Lead Pipe.

Colwell Lead Co., New York.

Lemon Squeezers

Berger Bros. Co., Philadelphia. Erie Specialty Co., Erie, Pa. John H. Graham & Co., New York. Smith & Hemenway Co., New York. John Sommer's Son, Newark, N. J.

Stanley Rule & Level Co., New York. Tower & Lyon, New York.

Lightning Rods.

D. Dorendorf, New York.

Locks and Knobs.

Brass Goods Mfg. Co., Brooklyn, N.Y. John H. Graham & Co., New York. Sargent & Co., New York and New Haven, Conu.

Lubricants.

Joseph Dixon Crucible Co , New York and Jersey City, N. J.

Luminous Bait.

Enterprise Mfg. Co., Akron, O.

Magnolia Metal.

Magnolia Metal Co., New York,

Mallets.

Bruce & Cook, New York.
N. Y. Mallet & Handle Works, New
York, N. Y.
John Sommer's Son, Newark, N. J.
Stanley Rule and Level Co., New
York.
Towar & Lyon New York. Tower & Lyon, New York. Union Hdw. Co., Torrington, Conn.

Manure Forks.

Geneva Tool Co., Geneva, O.

Manure Hooks.

Geneva Tool Co., Geneva, O.

Samson Cordage Works, Boston.

Measuring Pumps.

Enterprise Mfg. Co. of Pa., Philadelphia.

Measuring Tapes.

Alfred Field & Co., New York. John H. Graham & Co., New York. Keuffel & Esser, New York.

Meat Choppers.

John Chatillon & Sons, New York. Enterprise Mfg. Co. of Pa., Phila-delphia. John H. Graham & Co., New York. Smith & Hemenway Co., New York.

Meat Cutters.

Enterprise Mfg. Co. of Pa., Phila-delphia. John H. Graham & Co., New York. Sargent & Co., New York.

L. D. Berger, Philadelphia. Bruce & Cook, New York.

Mills, Coffee and Spice.

John Chatillon & Sons, New York. Enterprise Mfg. Co. of Pa., Phila-delphia.

Mills, Drug.

Enterprise Mfg. Co. of Pa., Philadelphia.

Mincing Knives.

Enterprise Mfg. Co. of Pa., Phiadelphia.

John H. Graham & Co., New York.

Smith & Hemenway Co., New York.

Mitre Boxes.

C. E. Jennings & Co., New York. Smlth & Hemenway Co., New York.

Mowing Machine Oilers.

Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

Bruce & Cook, New York.
Fuller Bros. & Co., New York.
Chas. J. Stebbins & Co., New York.
Underhill, Clinch & Co., New York.

Nail Pullers.

Bridgeport Mfg. Co., Bridgeport, Conn.
Smith & Hemenway Co., New York.
The Scranton & Co., New Haven,
Conn.
Tower & Lyon, New York.

John H. Graham & Co., New York. C. E. Jennings & Co., New York. Underhill, Clinch & Co., New York.

Needles.

Alfred Field & Co., New York.

Nippers.

Alfred Field & Co., New York. Charles Morrill, New York. Smith & Hemenway Co., New York. Utica Drop Forge & Tool Co., New York.

Atlas Bolt and Screw Co., Cleveland, Ohio. Columbus Bolt Works, Columbus, O.

Office Railings.

J. E. Bolles Iron and Wire Works, Detroit, Mich.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Cushman & Denison, New York.
Tower & Lyon, New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Oil Heaters.

Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Ornamental Iron Work.

Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleve-land, Ohio.

Padlocks.

Ames Sword Co., Chicopee, Mass.
Alfred Field & Co., New York.
John H. Graham & Co., New York.
Smith & Egge Mfg. Co., Bridgeport, Tower & Lyon, New York.

L. D. Berger, Philadelphia. Bruce & Cook, New York. Jos. Dixon Crucible Co., Jersey City, N. J. N. J. Harrison Bros. & Co., Inc., New York, Philadelphia, Chicago.

Paper Clips.

Cushman & Denison, New York.

Davis & Davis, New York. Pencils.

Joseph Dixon Crucible Co., Jersey City, N. J.

Pig Lead. Colwell Lead Co., New York.

Pig Tin.

Colwell Lead Co., New York.

Pipe Straps.

Pipe Cutters. Armstrong Mfg. Co., Bridgeport. Conn. Alfred Field & Co., New York. Trimont Mfg. Co., Roxbury, Mass.

Berger Bros. Co., Philadelphia. Bruce & Cook, New York. Smith & Egge Mfg. Co., Bridgeport, Conn. Pipe Threading Machines.

Armstrong Mfg. Co., Bridgeport, Conn.

Pipe Vises. Armstrong Mfg. Co., Bridgeport, Conn. Howard Iron Works, Buffalo, N. Y. Tower & Lyon, New York.

Pistols. J. Stevens Arms & Tool Co., Chicopes Falls, Mass.

C. E. Jennings & Co., New York.
Sargent & Co., New York.
Stanley Rule and Level Co., New
York.
Tower & Lyon, New York.

Plated Ware. M. S. Benedict Mig. Co., E. Syracuse N. Y. Luther Boardman & Son, East Had-dam, Conn. Alfred Field & Co., New York.

Plates, Machinery. Schwerdtle Stamp Co., Bridgeport, Conn.

Pliers. Fencing. Cronk & Carrier Mfg. Co., Elmira, N. Y.
Alfred Field & Co., New York.
Smith & Hemenway Co., New York.
Utica Drop Forge & Tool Co., New
York.

Plumbers' Supplies.

L. D. Berger, Philadelphia, Pa.
Berger Bros. Co., Philadelphia, Pa.
Bruce & Cook, New York.
Colwell Lead Co., New York.
Smith & Egge Mfg. Co., Bridgeport,
Conn.

Pocket Cutlery.

John Chatillon & Sons, New York.
Alfred Field & Co., New York.
Jackson Knife & Shear Co
Fremont, O.

Police Equipments. Tower & Lyon, New York.

Polish, Stove.

Joseph Dixon Crucible Co., Jersey City, N. J.

Post Hole Augers.

Iwan Bros., Streator, Ill.

Post Hole Diggers.

John H. Graham & Co., New York. Iwan Bros., Streator, [i].

Potato Hooks.

Geneva Tool Co., Geneva, O.

Poultry Netting.

Clinton Wire Cloth Co., Clinton, Mass. Gilbert & Bennett Mfg. Co., New York, Chicago. New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Fran-cisco. Underhill, Clinch & Co., New York.

Power Hammers.

The Scranton & Co., New Haven, Conn.

Price Books.

Hardware Publishing Co., New York.

Pruning Shears.

Cronk & Carrier Mfg. Co., Elmira, N. Y. Smith & Hemenway Co., New York.

Pulleys, Hoisting.

Burr Mfg. Co., Cleveland, Ohio. F. E. Myers & Bro., Ashland, Ohio.

Pumps.

John H. Graham & Co., New York. F. E. Myers & Bro., Ashland, Ohio. The Deming Co., Salem, Ohio. Torrent Pump & Fence Co., Cleve-land, O.

Punches, Spring.

Ryelet Tool Co., Boston, Mass. Alfred Field & Co., New York. Charles Morrill, New York. Smith & Egge Mfg. Co., Bridgeport, Smith & Degree M. S. Conn.
Smith & Hemenway Co., New York.
Underhill, Clinch & Co., New York
R. Woodman Mfg. & Supply Co.,
Boston, Mass.

Rochester Radiator Co., Rochester, N. Y.

Railings, Wire and Iron.

J. E. Bolles Iron and Wire Works, Detroit, Mich. Clinton Wire Cloth Co., Clinton, Mass.

Railroad Brasses.

Magnolia Metal Co., New York.

Rail, Barn Door.

Cronk & Carrier Mfg. Co., Elmira, N. Y. Lane Bros. Co., Poughkeepsie, N. Y. McKinney Mfg. Co., Allegheny, Pa.

Railway and Mill Supplies.

American Railway Supply Co., New York.
R. Woodman Mfg. & Supply Co.,
Boston.

Raisin Seeders.

Enterprise Mfg. Co. of Pa., Philadelphia.

Ashtabula Tool Co., Ashtabula, O. Geneva Tool Co., Geneva, O. John H. Graham & Co., New York. Iowa Farming Tool Co., Fort Madi-Underhill, Clinch & Co., New York.

Alfred Field & Co., New York.
International Cutlery Co., Fremont, O.
Jackson Knife & Shear Co.,
Fremont, O.
Joseph Rodgers & Sons, New York
and Sheffield, England.
Smith & Hemenway Co., New York.

Razor Strops.

Smith & Hemenway Co., New York.

Reamers.

C. E. Jennings & Co., New York.

Reels, Fishing.

Enterprise Mig. Co., Akron, O.

Reels, Wood.

John Sommer's Son, Newark, N. J.

Registers, Warm Air.

Berger Bros. Co., Philadelphia.

Revolution Counter.

Tabor Revolution Counter, Elizabeth. N. J. . Woodman Mfg. & Supply Co., Boston, Mass. R

Revolving Horse Hay Rakes. Geneva Tool Co., Geneva, O.

Hamilton Rifle Co., Plymouth, Mich. J. Stevens Arms & Tool Co., Chicopes Falls, Mass.

Rivets.

Atlas Belt and Screw Co., Cleveland, Ohio. Ohio.
Berger Bros. Co., Philadelphia.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.
C. C. & E. P. Townsend, New Brighton, Pa.

Rivet Sets.

Eyelet Tool Co., Boston, Mass.

Roller Skates.

Tower & Lyon, New York. Union Hardware Co., Torrington, Conn., and New York.

Roof Bolts.

Columbus Bolt Works, Columbus, O.

Roof Rods.

Columbus Bolt Works, Columbus, O.

Roofing Cement.

J. L. Perkins & Co., Chicago, Ill.

Roofing, Granite.

Eastern Granite Roofing Co., New York.

Roofing Paint.

J. L. Perkins & Co., Chicago, Ill.

Roofing Plates.

Merchant & Co., Inc., Philadelphia, Pa.

Roofing and Roofers' Supplies.

American Steel Roofing Co., Middle-town, Ohio. L. D. Berger, Philadelphia. Berger Bros. Co., Philadelphia. Bruce & Cook, New York. Merchant & Co., Inc., Philadelphia, Pa.

Rubber Pump Buckets.

Torrent Pump & Fence Co., Cleve-land, O.

Alfred Field & Co., New York.
Stanley Rule and Level Co., New
York.

Sad Iron Handles.

J. A. Cochrane, Cleveland, O.

Sad Irons.

Enterprise Mfg. Co. of Pa., Philadelphia.

Sand and Emery Paper.

Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicage.

Sand Screens.

Gilbert & Bennett Mfg. Co., New York and Chicago.

Sash Chains.

Smith & Egge Mfg. Co., Bridgeport, Conn. Tower & Lyon, New York.

Sash Cord.

Samson Cordage Works, Boston. Tower & Lyon, New York.

Sash Fixtures.

Smith & Egge Mfg. Co., Bridgeport, Conn Sash Locks

Champion Safety Lock Co., Cleveland, Obic.
W. & E. T. Fitch Co., New Haven, Conn. H. B. Ives & Co, New Haven, Conn.

Fox Machine Co., Grand Rapids, Mich. Sargent & Co., New York.

Sash Weights (Lead).

Colwell Lead Co., New York.

Sausage Stuffers

Enterprise Mfg. Co. of Pa., Phila-delphia. Sargent & Co., New York.

E. C. Atkins & Co., Indianapolis, Ind. Ind. Henry Disston & Sons, Philadelphia, Pa. C. E. Jennings & Co., New York. Sargent & Co., New York.

Saws, Butchers'.

John Chatillon & Sons, New York.

E. C. Atkins & Co., Indianapolis, lnd. Alfred Field & Co., New York. Charles Morrill, New York. Smith & Hemenway Co., New York.

Saw Tools.

E. C. Atkins & Co., Indianapolis, Ind. C. E. Jennings & Co., New York. Smith & Hemenway Co., New York.

Scaffolding.

D. Dorendorf, New York.

Scales. John Chatillon & Sons, New York. Osgood Scale Co., Binghamton, N. Y. Pelouze Scale & Mfg. Co., Chicago.

Underhill, Clinch & Co., New York.

Screens, Wire.

Porter Screen Mig. Co., Burlington, Underhill, Clinch & Co., New York.

Screws.

Atlas Bolt & Screw Co., Cleveland, Ohio.

Screw Cases.

J. D. Warren Mfg. Co., Chicago, Ill.

Screw Drivers.

Bridgeport Mfg. Co., Bridgeport, Bridgeport Mg. Co., Bridgeport. Conn.
John H. Graham & Co., New York.
C. E. Jennings & Co., Philadelphia.
Bargent & Co., New York.
Smith & Hemenway Co., New York.
Stanley Rule & Level Co., New York.
Tower & Lyon, New York.
Underbill, Clinch & Co., New York.
Voigt, Starr & Co., New York.

Screw Plates.

Alfred Field & Co., New York.

Scythes and Grass Hooks.

Alfred Field & Co., New York. Underhill, Clinch & Co., New York.

Scythe Snaths, Grass and Bush. Geneva Tool Co., Geneva, O.

Scythe Stones.

Cleveland Stone Co., Cleveland, O. Geneva Tool Co., Geneva, O.

Charles Morrill, New York.

Seals.

Schwerdtle Stamp Co., Bridgeport,

Sectional Shelving J. D. Warren Mfg. Co., Chicago.

Sewing Machines. New Domestic Sewing Machine Co.,

Shade Lines.

Samson Cordage Works, Boston.

Sharpening Machines.

John Chatillon & Sons, New York.

Shears and Scissors.

Bridgeport Mfg. Co., Bridgeport, Conn.
Creecent Mfg. Co., Fremont, O.
Alfred Field & Co., New York.
R. Heinisch's Sons Co., Newark, N. J.
International Cutlery Co., Fremont, O.
Jackson Knife and Shear Co.,
Fremont, O.
Joseph Rodgers & Sons, New York.

Sheet Lead.

Colwell Lead Co., New York.

Dunbar Bros., Bristol, Conn.

Sheet Steel.

Shelf Brackets.

Atlas Mfg. Co., New Haven, Conn. Sargent & Co., New York.

Shelving, Hardware.

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Geneva Tool Co., Geneva, O. Underhill, Clinch & Co., New York.

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Sidewalk Lights.

J. E. Bolles Iron and Wire Works, Detroit, Mich.

Sidewalk Scrapers. Geneva Tool Co., Geneva, O.

Sidewalk Shovels. Geneva Tool Co., Geneva, O.

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M. S. Benedict Mfg. Co., E. Syracuse, N. Y. Luther Boardman & Son, East Had-dam, Conn.

Sink Bolts.

Atlas Bolt & Screw Co., Cleveland, Ohio.

Sink Cleaners John W. Sudlow, Brooklyn, N. Y.

Skates, Ice and Roller John H. Graham & Co., New York.
Tower & Lyon, New York.
Underhill, Clinch & Co., New York.
Union Hardware Co., Torrington,
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Skates, Tube. Crosby Co., Buffalo, N. Y.

Skate Sharpeners.

Smith & Hemenway Co., New York.
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Skewers.

John Chatillon & Sons, New York.

Slaw Cutters.

E. C. Atkins & Co., Indianapolis, Ind. Enterprise Mfg. Co. of Pa., Philadelphia.
C. E. Jennings & Co., New York. Snow Shovels.

Iowa Farming Tool Co., Fort Madison, Iowa.
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Spark Guards. Gilbert & Bennett Mfg. Co., New York and Chicago.

Speaking Tubes.

Berger Bros. Co., Philadelphia.

Spelter. Spikes

Bruce & Cook. New York. Colwell Lead Co., New York.

Fuller Bros. & Co., New York.

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Stay Rollers.

Cronk & Carrier Mfg. Co., Elmira, N. Y. John H. Graham & Co., New York. Lane Bros. Co., Poughkeepsie, N. Y. McKinney Mfg. Co., Allegheny, Pa.

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Wilmot & Hobbs Mfg. Co., Bridge-

Steel Hinges, Spring.

Bommer Bros., Brooklyn, N. Y.

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F. E. Myers & Bro., Ashland, Ohio.

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Stones, Scythe, Oil, Etc. Cleveland Stone Co., Cleveland, Ohio.

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J. D. Warren Mfg. Co., Chicago,

Store Trucks.

See Trucks, Store.

Stove Polish.

Joseph Dixon Crncible Co. Jersey City, N. J.

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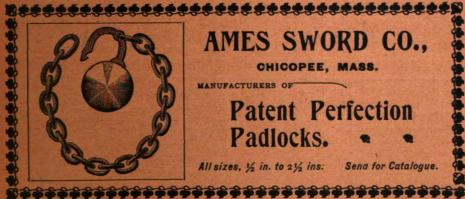
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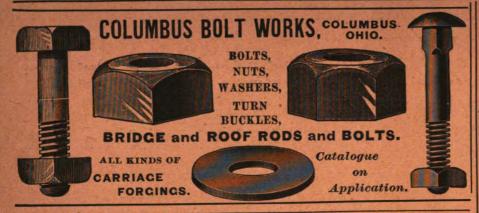
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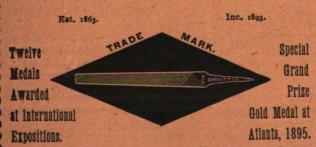
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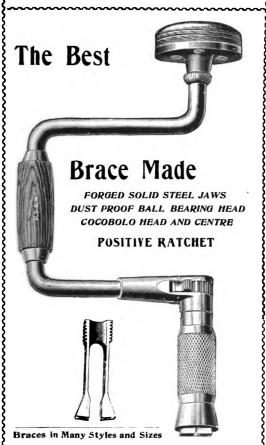
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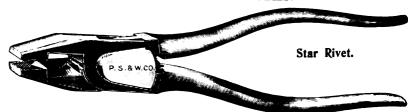


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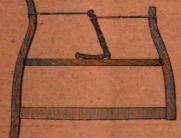
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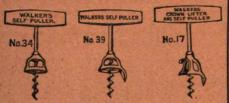


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Janesville Hay Tool Co.,

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STEEL TRACK.



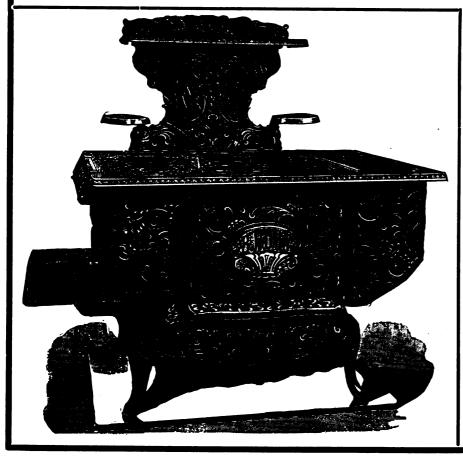
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The most modern and up to date Four Hole Range in the market. It embodies all the principles of convenience, durability and efficiency known to the trade.

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Largest oven in the market.
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Dixon's Cycle Chain Graphites. Dixon's Lumber Pencils. Dixon's Carpenter Pencils.

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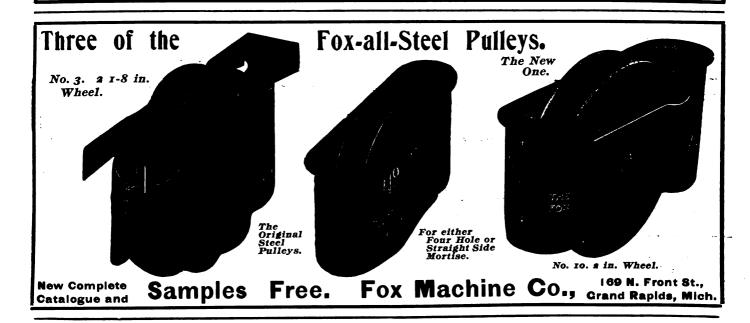
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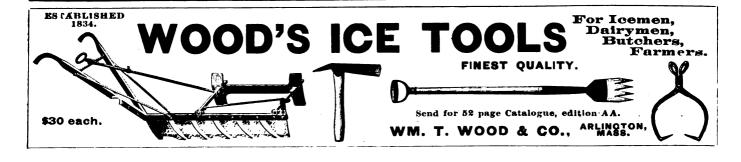
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all other

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Each Screw

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batting and packed

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PIPE THREADING AND CUT-TING OFF MACHINES.

ADJUSTABLE STOCKS AND DIES.

Wrenches, Pipe Vises, Pipe Cutters, Clamp Dogs.

They are all "Standards" and Never dissappoint. Catalogue?

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GENUINE IMPROVED KNIFE HANDLE

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Handle-frame and ferrule in one piece rigidly keyed to the bar, making practically one solid piece of metal; the ferrule and cup tip firmly securing and preventing the wood sides from splitting.

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Two sizes: rats and mice.

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Best Choker.



No. 100, Chops 2 lbs. of Meat per Minute, \$1.50 No. 300, Chops 3 lbs. of Meat per Minute, \$2.25

Four Knives with each Machine













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Sausage Stuffers and Lard Presses



No. 5, \$2.00

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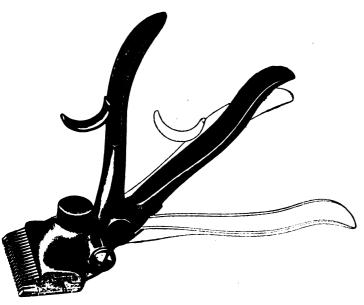








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Have you seen Coates' 20th Century Fetlock Clipper? Good!!

And the Barber, too? GOOD!

Don't forget these when you order. COATES has the largest and best line to select from.



Mr. HARDWAREMAN:

Don't wait until our factory runs night and day, to catch up, before you order, order NOW.

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At Sea Girt, Aug. 81, Sept. 8, Victories: Revolver and Military contests,

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Took all the following prizes WIMBLEDON CUP, 1000 yards, SCHUETZEN MATCH,

INTERSTATE MILITARY MATCH,

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NEW JERSEY RIFLE ASSOCIATION TROPHY MATCH,

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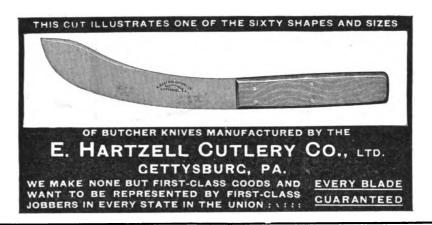




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These Springs are all oil tempered and are made of an extra quality of wire drawn specially for our own use, of the same grade of stock as we use for the Springs that we put in our Spring Scales.

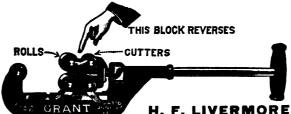
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Established 1835.

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Why, then, sell inferior Cutlery when

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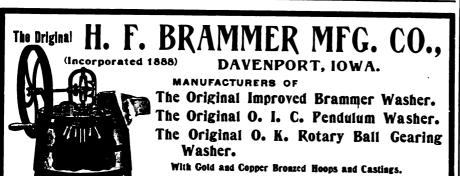


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WE LEAD. Others imitate. The superiority of our Washers is too well known, and dealers will not be misled by similar machines.

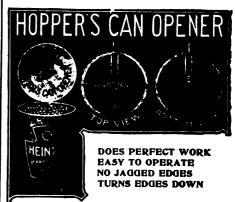
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Power Clippers. both hand & mechanical.
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The best made

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Superior to Castor
Oil; lasts longer,
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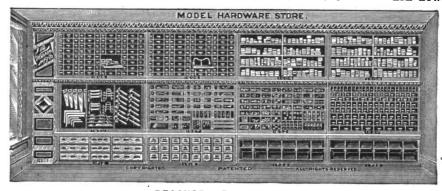
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IWAN'S IMPROVED SERRATED HAY KNIFE

WITH WAVING ED GE.

Adjustable Handles, Wood or Iron Grips. Cuts hay or straw faster and easier than any other knife on the market, and keeps sharp longer.

Tool steel blades, malle-

Tool steel blades, malleable iron back. A perfect tool. Write for prices and discounts for our Post Hole Diggers and full line of Hardware Specialties.

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THIS has been extensively advertised for years.

THIS is the one your customers have frequently asked you about.

THIS is built like a steam boiler.

THIS has nine-tenths of its radiating surface directly over the hot current where every square inch of surface is as effective as six at the side.

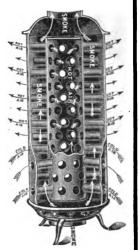
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Get a few started and after that they will almost sell themselves.

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A Great Labor Saver.

Will pay for itself in a single day. Where Steel Giant Grubbers are kept and shown a large trade is soon established. They are a necessity to almost everybody owning land. Moderate price. Large margin of profit to the dealer.

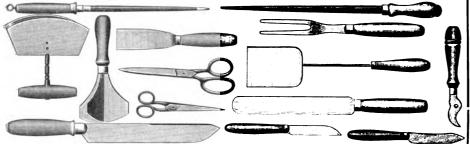
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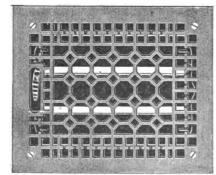
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Ask for our Catalogue of Hardware Specialties, Arctic Stove Trimmings, &c.

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"Trade journalism," said he, "is to the trader an index, educator, informant, teacher, profit-gatherer, counsel — in short, the prized silent partner. The trade paper is an insurance against the dishonest, tricky salesman; is the champion of the trader against unjust charges or rules, whether attempted by a railway organization or an individual; it is the advocate of organization, the mouthpiece of associations; their champion and defender—therefore, worthy of the support of every one interested in co-operative effort.

"Primarily, the trade journal is for the dealer, the man so anxious to concentrate all his energy upon his business that he seeks all aids, and is willing to pay for news or information that is calculated to push him forward to success.

"The trade journal is a tool of business. If the tool is poorly tempered, of weak constitution and untidy appearance, it will exert no influence, do more harm than good; turn traders into blunderers and live a short life. If, on the other hand, this tool of trade is well tempered, put together in attractive style, has force, a moral tone, and puis character first, it will live and thrive, and as it grows older exert more and more influence-secure respect for its opinion. The trade journal, then, to be a power, to have merit, to become the trader's tool, must be worth paying for. It must have individuality of its own, for in this world men count for more than method.

"By taking a trade paper you become an associate worker for your own and other's benefit, and thus carry out the highest ideals of conduct. You should ever keep in mind the old proverb, 'A man of knowledge increaseth in strength.'"





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Made only by TROY NICKEL WORKS, Albany, N. Y.

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Cornices and Sheet Metal Work of every description. Send for catalogue.

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Easily Applied. Positively Regulated.

The simplest and strongest Check made. All main working parts are of Steel, Drop Forged and Case Hardened. The ONLY CHECK that FULLY CONTROLS the DOOR. 15,000 in Use. Put in your Stock Early.

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HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

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SHEEP AND GARDEN SHEARS.
GRASS HOOKS, SCYTHES AND STRAW KNIVES.
GRASS HOOKS, SICKLES, ETC.
PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

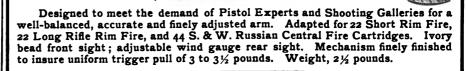
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USE A NEW MODEL

REMINGTON SINGLE SHOT TARGET PISTOL



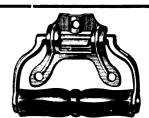
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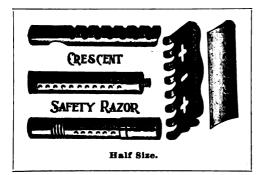


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OUR LATEST and GREATEST PRODUCTION THE CRESCENT SAFETY RAZOR.



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CURRY COMBS AND STOVE BOLTS

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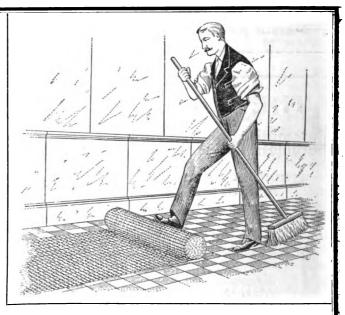
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The Mat That Wears

WON'T WARP, CURL, OR RUST

MADE OF crimped, flat, galvanized steel strips, three-eighths of an inch deep by one-sixteenth of an inch thick, *hinged* together with galvanized steel rods, admitting of its being rolled up like an ordinary piece of straw matting.

THE MOST durable, flexible and pliable mat made. It is reversible, cannot warp or curl at the sides or edges, and adapts itself to unequal surfaces. It always lies flat.



THAT'S THE

KEYSTONE STEEL MAT

THE KIND YOU CAN SELL
THE KIND YOU OUGHT TO KEEP IN STOCK

Liberal Discounts to the Trade

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SEWING MACHINES

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THE

CHAIN STITCH

If you want a machine to SELL

TRY IT.



THE

LOCK STITCH

If you want a machine to USE

BUY IT.

THE NEW RUFFLER MAKES

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A new design and a new principle applied to

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Will fit any window, large or small. Cheap enough for anyone to buy. Good chough for anyone to use. Neat enough for anyone to sec. Profit caough for any dealer to sell.

Here are five good reasons why it should interest every dealer. The sixth and best reason is that it will prove, on its merits,

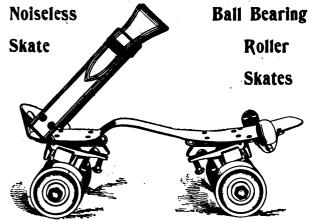
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and the most popular fly-screen ever made. Write for catalogue. Our name is guarantee of quality, because

PORTER SCREENS ARE BEST

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Spring steel foot plates. Rubber cushions between trucks and foot plate. Trucks instantly removed or replaced. Easiest running Skates ever made. Finest construction—one of the most desirable features being the light weight of these Ball Bearing Skates. Full nickeled or bronze finish.

Henley's Challenge and Monarch Rink and Club Roller Skates. The most durable, practical, economical, scientific Rink Skates on the market. Over 2,000,000 pairs sold to Rinks in this and other countries.

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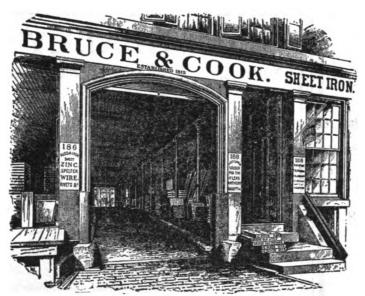
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186, 186 and 190 WATER STREET, 248 and 250 PEARL STREET, . . .

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We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment. . .



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Gem Gasoline Furnaces Rochag Seamers. Gutter, Wide Roof. Gutter Straigers Hard Metal. Kettle Bars. Lead-Bar and Pig. Leader Hooks. Maileable Rara. Mallets. Matal Lath Metallic Paint. Nails-Rooding Tine Nails - Wire Rooding. Nalle-WireR'g Tis Pail Woods Perforated Tie. Ribbed Leed Rivets Rooding Tim Plates.

Rocin. Sheathing Paper. Sheet Iron-Char. Cl'd. Sheet Iron-Cold Rol'd. Sheet Iron-Corrugated et Iron--Galvanised et Iron-Planished. Sheet Iron-Russia. Soldering Coppers. Socitor. Spelter Solder. Squaring Shears.

Store Boards.

er Wire Cleth.

Stove Pipe. Stove Pipe Collars.

Taggers Irea. Taggers Tin. Terne Plates. Tin-Bar and Pig. Tin Plates. Tin Shingles Tinners' Machin Tinners' Tools. etilators Wall Hooks Water Cut-of Wire-Annealed. Wire-Bright Wire-Coppered. Wire-Galvanised Wire Timed. Zinc for Ruching *****



SMOKELESS ODORLESS

BANNER HEATERS HAVE AN

AUTOMATIC SAFETY

STOP,

which prevents the flan from burning too high.

For Bed Room, Smoking Room, Bath Room, Library, Nursery, Office, Conserva-tory, Camp or Cottage.

THE PLUME & ATWOOD MFG. CO., NEW YORK, CHICAGO.

EyeletToolCo.

Eyelet Sets and Leather Punches, Drive or Belt Punches, Burr and Rivet Sets, etc.

SETS AND PUNCH TUBES of all kinds made to order. Send for Catalogue.

42 Lincoln St BOSTON.





The Best Water Purifier EAGLE WATER STILL

Simple to operate. Converte the foolest water into water of crystal parity, revitalized, delictions and palatable to the tenta. A child can operate it. No household complete without it. No expense. Bepeals hencement prices to the trade. Few particulars address.

Health & Comfort Supply Mig. Ct., Dpt. C., OINGINNATI, C.

NOTICE.

The 3rd edition of the LARGE GREEN BOOK of Hardware Specialties is completely exhausted. We have, however, a few more of the LITTLE GREEN BOOK of which we will be pleased to send on application. THOMSON BROS. & CO.,

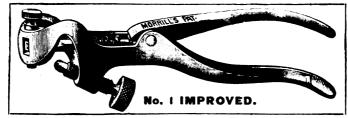
Utica Drop Forge & Tool Co., Smith & Hemenway Co., 296 BROADWAY, NEW YORK CITY.

Ask Your Dealer for These Goods.

MORRILL'S Perfect Saw

Bench Stops, Punches, Cutting Pliers and Seal Presses.

Registered, Pat. No. 20,572 This Trade Mark is stamped on all Hardware Specialties of my make.



TRADE

Registered, Pat. No. 80.572. This Trade Mark is stamped on all Hardware Specialties of my make.

For Hand, Band and Jig Saws, from the widest made down to 1-2 inch. The Sets are too well known for me to enlarge on them.

Catalogue.

CHAS. MORRILL.

Broadway Chambers, Broadway and Chambers St., N. Y.

SKATES

DEALERS:-Your interest demands that your stock be of RELIABLE GOODS. You know what to expect of the

Barney & Berry Skates.

ALL JOBBERS.

Catalog upon Request.

Offices:

New York, II4 Chambers St. Philadelphia, 412 Commerce St. Boston, 50 Pearl St.

BARNEY & BERRY.

Springfield, Mass.



THE "BARDSLEY" OIL DOOR CHECK AND SPRING.



This device—as now made—has the following features which are peculiar to itself:

No packing friction.

A releasing device—especially useful on apartment house doors and doors that close against a draught.

Spring of polished clock steel of superior qualityensuring soft and noiseless action and great durability.

The mechanism is arranged so that the spring cannot be used wrong side up and thus bent out of shape or broken.

The checking medium is an oil which is practically non-freezing, and which can readily be renewed when needed without removing

JOSEPH BARDSLEY.

147 to 151 Baxter Street,

PADLOCKS.



Smooth or Government Finish.

Furnished the U.S.
Post Office Department for mail
bags for nearly
twenty years.

ALL PADLOCKS

made with four tumblers each.



CCOPPERIZED

SPRINGBOTTOM

MOWING MACHINE

OILER Nº 600 WRITE FOR CATALOGUE.

THE SMITH & EQGE MFG. CO.,

BRIDGEFORT, C2NN.

THIS CAN ---

HAS A

Clock Spring Steel Bottom

Of extreme durability and springiness. The CYLINDER is of DOUBLE THICKNESS around the lower edge, and is drawn seamless from extra heavy "Swedch" Steel, Beautifully Fimshed It readily commends itself to all AGRICULTURAL and HARD-

WARE DEALERS on account of its Elegance, Durability and Cheapness.

Special price on large orders from the Jobbing Trade.

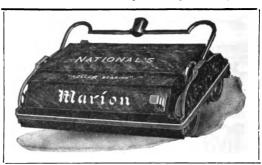
ORDER NOW FOR SPRING DELIVERY.

Che Wilmot & Hobbs Mfg. Co.,

> BRIDGEPORT, CONN. . .

JUST NINE SMALL ROLLERS

placed within the hubs around the axles make our Sweepers fully 50 per cent. easier running than any other Sweeper made. Dust caps on each end of the hubs keep "Bearings" free from all dust and dirt.



National "Roller Bearing" Carpet Sweepers

are made of the best materials, put together and finished in a manner superior to any other Sweeper manufactured. Our line is complete. Each Sweeper packed in a strong card board box. A full line of Toy Sweepers for the holiday trade.

WE WANT YOUR TRADE AND HAVE A SPECIAL PROPOSITION TO MAKE YOU. SHALL WE SUBMIT IT?

National Sweeper Co., MARION, INDIANA

we make wringers, too. Reces recessessessessessessessessesses

ATKIN C
They are the Woodman's

FAVORITE

Are... TRADE WINNERS,



E. C. ATKINS & CO., Inc.

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New York City, 64 Reade Street.
Memphis, Tenn.
Atlanta, Ga.
Alinneapolis, Minn.

Portland, Oregon.

Factories and Home Office: Indianapolis, Ind.

HARDWARE

Davis & Davis, who have been advantageously located at 709 G Street, N. W., Washington, D. C., where they have achieved a reputation as expert patent lawyers, and prominent in their line, have recently established a New York office in the St. Paul Building, corner Broadway and Ann Street, where one member of the firm may always be communicated with, remaining constantly in that location. The Washington member of the firm gives his personal attention to all matters connected with the Patent Office modes of procedure.

The Cleveland Twist Drill Co. announce having received the highest award at the Pan American Exposition. The gold medal so worthily bestowed, gives great satisfaction to their many friends in this vicinity.

F. E. Myers & Bro., Ashland, Ohio, whose pumps have a world-wide reputation, humorously state that the Committee on Awards of the Pan American Exposition have undoubtedly agreed to "Take off your hat to the Myers" by awarding them the only gold medal awarded on pumps, thus acknowledging a meritorious construction and adaptability worthy of commendation. This ought to prove quite a feather in the Myers hat.

The Magnolia Metal Co., on account of a fire next door to their old offices in West Street, New York, were compelled by damage done through falling walls, to move to other quarters. Their office is now located in the Wool Exchange Building, corner of West Broadway and Beach Street.

At the distribution of Pan American awards, we notice the "Fort Madison" steel goods of the Iowa Farming Tool Co., Fort Madison, Iowa, received the gold medal, the highest award given for superior merit.

The Youngstown Iron Sheet and Tube Co. announce that they will have in operation by January 1, 1902, their new sheet mills, so that orders for delivery during the four early months of 1902 are now being entered for specified delivery during those months. Orders are solicited for Double refined puddle iron sheets, Common iron sheets, Steel sheets, Black and Galvanized.

Keuffel & Esser Co., 127 Fulton Street, New York, the well-known manufacturers and importers of drawing materials and manufacturers of measuring tapes, have been awarded the gold medal by the Pan American Exposition, and which they state was the only gold medal awarded to their especial line of business. It is a matter of sincere congratulation by their many friends and customers that superior merit is thus consistently recognized.

C. S. Van Wagoner, formerly of the Van Wagoner & Williams Co., has formed a new company under the name of the Van Wagoner Co., of which he is president, for the manufacture of a line of popular Hardware specialties similar to those made by his old firm. A large number of new specialties will also be included. He expects to be able to start manufacturing in Cleveland on or before January first next. The offices of the Van Wagoner Co. will be situated in Cleveland and New York. Mr. Van Wagoner has always been popular with the jobbing trade, whose value as the proper distributers of leading lines of goods he has invariably recognized. They express every confidence in the success of his new venture.

O. L. Millard, president of Millard Bros., Ltd., 123-124 Houndsditch, London, E. C., England, who sailed on the Etruria, October 12th, for New York, will make his head-quarters here at the Fifth Avenue Hotel during his brief stay, as he expects to return by the Campania sailing November 2. The principal object of the trip is to conclude contracts for 1902, and establish connections for the sale of new lines in the Hardware and bicycle trade. The firm he represents are direct importers of American and Continental Mechanics' Tools, Skates, Cutlery, Hardware and Bicycles.

Manufacturers' Advertising Bureau, 126 Liberty Street, New York, Benjamin Romaine Western, proprietor, have recently distributed a very interesting booklet of 26 pages having reference to their business. It is oblong in shape, and gives a very clear idea of the improved methods which they are bringing to bear in the advertising field. This old agency was established in 1877, and have ever since been large users of advertising space in trade journals. The Bureau is in business to "take entire charge of newspaper work and advertising of manufacturers who desire to have that department of their business run systematically and profitably, and who have themselves not the time or experience necessary to bring about the desired result." Mr. Western has long been well known in the advertising field, having served as a trade journalist before entering upon his present extensive business. Included in the contents of the book are a number of testimonials of clients of the Bureau, and also a list of the important concerns for whom they have acted in placing advertising.

Caldwell Mfg. Co., Rochester, N. Y., have recently issued an extremely artistic publication referring entirely to Marine Window Hardware, Sash Balances and Sash Locks, used in marine construction, and although composed of but a few pages, they are prepared and executed in such a manner as to leave an impression that could scarcely have been made in any other way. Everything about the publication is of an asthetic character, a great deal of care having been taken in the preparation of this brochure. The illustrations are handsomely printed on coated paper, and mounted on gray mounting paper, and show off to the best advantage. List prices accompany the text, in which the trade number of the Marine Balance is given, the price per pair and the weight of sash that is applicable to each particular size, the length of run, the width of face plate, and the depth of mortise necessary for their proper adjustment.

Simmons Hardware Co., St. Louis, Mo., have recently distributed to the trade their "Catalogue 403" representing the Clock and Art Goods department of that large concern. is in pamphlet form with a very attractive cover, printed in purple and bronze, making a volume of 370 pages, and embodying in its contents an extremely large variety of goods thoroughly suitable for the holiday trade, including Sterling Silver, Silver-Plated Ware, Cut Glass and Cutlery generally. The assortment of each of these special lines is very elaborate, large in extent, handsomely illustrated and fully described. It is certainly one of the most useful catalogues of the kind that we have seen, many of the pages being printed by the three-color process in a handsome and attractive manner, showing their fine decorated Vases, Clock Sets and Metal Urns and Imported Decorated Urns, Reception Lamps, etc., etc. These represent in their pictorial illustration some of the handsomest designs in colors that this concern has ever distributed to the trade.

HARDWARE

VOL. XXIV

OCTOBER 25; 1901.

NO

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.

HARDWARE is published on the 10th and 25th of each month. The subscription is \$1.00 a year, payable in advance.

Subscriptions may commence with any issue

Remittances should always be made in the safest manner available to the remitter. Post-office and Express Money Orders are always safe and may be sent at our own risk.

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The Name of your Post-office and of the State you live in should always follow your own name when writing to this office. We cannot find your name on our books unless this is done.

Letters should be addressed

HARDWARE PUBLISHING CO.,

275 Broadway, New York.

L. E. MITCHELL,

President

A. P. MITCHELL, .

Secretary and Treasurer.

HENRY HOPKINS.

Editor.

A. E. BOLLES.

Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted Exclusively to the Hardware Trade.

Editorial Trade Review.

Reports continue most favorable from all quarters. Travelers' orders come along regularly, and are of respectable dimensions, the dealers' stocks being kept in satisfactory condition so that no sales of importance shall be without a shipment. Holiday goods that promise a popular distribution are eagerly inquired for, the indications for a lively holiday business being excellent. Few except those catering to this class of trade realize how great a volume of such goods is called for and secured, to be disposed of at fair profits in the short season centering about Christmas. As the prophets are anticipating an old-fashioned Winter, with plenty of ice and snow, the specifications are already including goods suitable for such a season.

Prices throughout all channels indicate commendable firmness, all heavy goods especially being marked up to some extent, based on the inability to get full supplies of raw material, notwithstanding the mills supplying such a demand are doing their level best to overcome the handicap which the long-continued strike created as to a seasonable delivery of their production.

A number of lines of goods are reported in scant supply, which include Cross-cut Saws, Skates, Axes, Plain and Barb Wire and Sheet Steel generally. Orders given last Spring for special lines wanted for the current sales at this time, have by no means been completed in all respects, and the active trade which is a noticeable feature in all leading business centres, makes such limited deliveries seem inconsistently slow.

The Rope market has been in an excited state for several weeks, the continued advances in regular quotations making an unsettled and uncertain market. Present indications point to a future of high prices with little prospect of any immediate decline of striking importance. The Steel goods market is now an open one, and the carefully kept agreement on regular quotations having been sustained for a much longer period than was deemed possible, now gives way to a change that makes the market more uncertain in its character.

Outside competition is beginning to show sufficient importance in such goods which like scythes and shovels have created a demand for new factories, the older conditions indicating profits beyond the ordinary comprehension, giving opportunities for idle capital to embark in new enterprises.

The Wire Nail plants which have been springing up in so many directions prove beyond a doubt that present quotations are profitable. The slight cut in prices on so limited an output is calculated to have but little effect on the quotations from the main source of supply. The American Steel and Wire Co., still behind orders, preventing promptness in delivery, are already on record as declining to meet the quotations made by the small producers.

So much activity in building is developed in all sections of the country, the demand for Builders' Hardware continues excellent. During these prosperous times a growing inquiry is noticeable from the well-paid employes for houses of a moderate rental; and unimproved property is being largely improved by the erection of a class of dwellings which promise to pay good dividends on the investment.

Collections are reported as being above the average, and in every direction the word is passed that there is no cloud upon the horizon, everything pointing to a continuance of the sunshine of National prosperity.

The Commerce of the United States with the Territory at the South.

The recent departure from Washington of the special train carrying the United States and numerous other delegates to the approaching Pan American Conference, to be held at the city of Mexico, lends especial interest to some figures on the commerce of the United States with the territory at the South, which the Treasury Bureau of Statistics has compiled for the convenience of the United States members of that congress. The importance of development of our commerce in this particular direction is pointed out by this publication, which shows that our exports have shown less growth to the countries of Central and South America than to any other parts of the world.

"The commerce of the United States with the American countries lying south of her borders," says the opening page of this discussion, "has long been an object of solicitude to her statesmen, economists and business men. With the English-speaking people of American territory lying upon the north, her commercial relations have rapidly grown and proven mutually satisfactory. With those of another language, occupying the contiguous territory at the south, the growth has been slower and less satisfactory, and as the distance increases the growth decreases. To British North America the United States supplies 52 per cent. of the total imports for consumption; to Mexico, equally adjacent, but speaking another language than our own, 40 per cent.; to the Central American States, next removed by distance, though readily reached by water and now being tapped by railways, 35 per cent.; to Colombia, a trifle farther removed, but equally accessible by direct water communication, 33 per cent.; to Venezuela, equally accessible, 27 per cent.; to the West Indies, which lie in close proximity, but which have been up to the present time controlled by commercial nations whose policy in many cases has been to retain their commerce for their own people, 20 per cent.; to the Guianas, also readily reached by water, 25 per cent. of the imports of British Guiana, 17 per cent. of those of Dutch Guiana, and but less than 6 per cent. of those of French Guiana.

"Up to this point the study of the growth of commerce between the United States and other American countries is fairly satisfactory. Beginning with 52 per cent. of the import trade of Canada, 40 per cent. of that of Mexico, and ranging on downward along the Gulf of Mexico and Caribbean Sea, a fairly satisfactory share of the commerce of those countries is enjoyed by the people of the United States; though it will be conceded that her people have a right to expect a larger share of the commerce of the countries lying so near at hand, especially in view of the fact that our purchases from them are much larger than our sales to them. Even this somewhat unsatisfactory condition of trade with the countries bordering upon the Gulf of Mexico and the Caribbean Sea is, however, gratifying when compared with the traffic relations of the United States with the countries of South America bordering upon the Atlantic and Pacific oceans. Of the total imports of all South America, 87 per cent. is taken by the countries bordering upon the two oceans, and but 13 per cent. by those upon the Caribbean. On the eastern coast of South America we find Brazil importing in 1899 goods to the value of over \$105,000,000, of which the United States supplied about 10 per cent.; Uruguay and Paraguay, \$26,000,000, of which our share was less than 7 per cent.; and Argentine, \$112,000,000, of which about 10 per cent. was from the United States; while a tour of the Pacific coast shows imports into Chile of \$33,000,000, Peru \$8,500,000, Bolivia \$11,600,000, and Ecuador \$7,000,000; the proportion from the United States averaging about 10 per cent. Thus the northern coast of South America, fronting on the Caribbean Sea, imports goods to the value of \$26,000,000, of which we supply an average of 25 per cent.; the eastern coast, fronting upon the Atlantic, \$275,000,000, and the Pacific coast, \$60,000,000, of which our proportion is in each case about 10 per cent.

"Nor can it be urged that this condition is a temporary one. While exports from the United States to Mexico have grown rapidly, especially since the opening of railway communication, and have experienced a moderate development in the case of the countries bordering upon the Caribbean, the total sales to the south of us have not grown with the rapidity which has characterized those to the world at large. In 1868, our sales to the countries lying south of us were 205 of our total exports; in 1878, a little less than 10 per cent.; in 1888, a fraction above 10 per cent.; in 1898, but 7 per cent.; and in 1901, about 9 per cent. of our total exports.

"An examination of our list of purchases from Central and South America seems to increase the anomaly presented by their small purchases from us. Of Brazil, we are by far the largest customer in her chief articles of export—coffee and rubber—while from Argentina and Chile our purchases of wool and hides are also heavy; and for the tropical products of other countries of South America—sugar, spices, fruits, dyewoods, cabinet woods, textiles and chemicals—the United States offers a constant and rapidly increasing market. From the countries of South America the United States in 1901 purchased goods valued at \$110,329,667, while her sales to them in that year were but \$44,770,888, less than one-half of her purchases from them.

"A study of the map of the world seems to offer a partial explanation of the anomalous conditions with reference to the

trade of all the countries lying south of the easternmost point of South America. The commerce of the world reaching Brazil (south of the Amazon), Uruguay, Paraguay and Argentina, on the Atlantic coast; and Chile, Peru, Ecuador and the interior State of Bolivia, on the west, must reach them by water, and their sales to other parts of the world also go by water. It will be seen that the markets of Europe are practically as near to all South America fronting on the Atlantic and Pacific as are those of the United States. An examination of the map and of the distances actually traveled by the great steamships following the usual course of commerce sustains this assertion. The easternmost point of South America extends 2,600 miles farther east than New York, and the sailing distance from that point to New York is actually greater than to the cities of southern Europe, and but slightly less than to the commercial cities of England and Germany, our greatest commercial rivals. This fact alone places the United States upon an equal footing with Europe in the matter of distance; but in view of the fact that nearly all of the steamship lines entering South American ports are controlled by European capital and European interests, it is not surprising that a large share of the commerce of those countries should be diverted to Europe. Naturally a considerable share of their exports go direct to Europe, and to that extent it would be quite reasonable to expect that their purchases would be from that part of the world.

"The fact that exports from the United States to Europe greatly exceed her imports from Europe make it practicable for the vessels which bring the rubber, coffee, hides and wool of South America to the United States to readily load at our ports with grain or provisions for Europe, and there load again with goods for the South American markets, thus making the tour of the triangle of which the line from New York to Liverpool forms the base, and the ports of Brazil and Argentina the apex. That this should occur under ordinary conditions would not be surprising, and that it should occur with lines of steamships controlled almost exclusively in the interests of European capital and European trade is to be expected. Added to this is the lack of banking and business facilities for direct intercommunication with the United States, neglect of American merchants to closely study the trade methods and requirements of the countries in question, the absence of direct solicitation of trade in the language of the country where business is sought, all of which are valuable aids in increasing the commercial relationship, and especially in increasing our sales to the countries in question."

| Eighth Annual Sportsmen's Show.

The first Sportsmen's Show was held in 1895, since which time improvements have been made annuallly, and the 1902 show, which will open March 5th, will be no exception to this rule. The arrangements now being made will make it a most picturesque show, and one complete in every feature that attracts the attention of the sportsman and every lover of outdoor sports. Particular attention is called to a Fly Casting Contest which will be an additional feature of the show this year. This will appeal strongly to the many fishermen in and around New York City, as well as those from a distance, as this is a matter regarding which they are very Rifles and Revolver Contests will also be enthusiastic. given. The trade exhibits will occupy space in the gallery, the main floor being taken up with exhibits of camps, guides, woodsmen and trappers, live game animals, game birds and game fishes, railroads and hotels from fishing and hunting sections, log cabins, and new features of life in the woods, which promise to prove popular features. Those desiring to make exhibits are requested to make early application in order to secure a good location. A diagram giving details as to space and general arrangements has been issued by the National Sportsmen's Association under whose auspices the show will be given, and this, in addition to full particulars. will be forwarded on application to the general manager, J. A. H. Dressel, P. O. Box 1353, New York City.

LEGAL CORRESPONDENCE.

Conducted by William Marston Seabury, Attorney and Counsellor at Law, No. 43 Cedar Street, New York.

Any subscriber to "HARDWARE" is privileged to sek any legal question he pleases in this Department and it will be answered free of charge. Address all communications to Editor "HARDWARE," No. '277 Broadway, New York City.

Appointment of Receiver.

QUESTION: I am a creditor of a man having quite a large business, which business is being ruined through his inattention, and for this reason the interests of his creditors are being impaired. I am a creditor to a large amount, and should like to know in what case a receiver could be appointed by the court to take charge of this man's property, as, if he continues to control it, I greatly fear that I will not receive anything on my claim.

REPLY: We are of the opinion that under such circumstances you would be able to have a receiver appointed of your debtor's business. Section 713 of the N. Y. Code of Civil Procedure provides that, in addition to the cases where the appointment of a receiver is especially provided for by law, a receiver of property, which is the subject of an action in the Supreme Court or county court, may be appointed, before final judgment, on the application of a party who establishes an apparent right to or interest in the property where it is in the possession of an adverse party and there is danger that it will be removed beyond the jurisdiction of the court or lost, materially injured, or destroyed. Other provisions are also made for the appointment of a receiver. We would advise you to consult a lawyer and commence an action against your debtor with the view of obtaining a receiver of his property.

Statute of Limitations for Actions for Libel.

QUESTION: About two years ago an enemy of mine published an article concerning me and my business which was grossly false and which injured my trade a great deal. I did not desire at the time to sue him for libel for various reasons, and I should now like to be informed whether I still have my right to bring an action or whether I have waited too long.

REPLY: The statute of limitations in New York State provides that an action for libel must be brought within two years after the action has accrued. If, therefore, two years have not expired since this letter or article was written, you will still have your action. If, on the other hand, you have waited more than two years, your action would be barred by the statute in question.

Effect of Violation of Clause in Insurance Policy.

QUESTION: I had an insurance policy on my house and barn for the amount of \$2,000. There is a clause in the policy of insurance which provides that the policy shall be void if mechanics or workmen are employed on the premises for more than fifteen days at one time. I was not aware of this clause being in the policy until it was called to my attention by the insurance agent after a fire had occurred totally destroying my house and barn. I had been having certain alterations made in the house and the repairs had consumed about twenty days. I should like to be informed whether, in your opinion, the mere fact that I had employed workmen for about twenty days without notifying the insurance company and obtaining their consent, is any reason why I should not be entitled to collect my insurance.

REPLY: The clause which you mentioned is one which is usually inserted in fire insurance policies. We are of the opinion that the courts of this State would regard this clause as a condition in the policy which, if violated, would render the policy void. The Court of Appeals of this State, however, recently took this view of a similar clause in an insurance policy, in a case recorded in 57 N. E. R. 475. In this case painters and carpenters had been employed by the insured for slightly over fifteen days, making a few alterations upon the insured premises. The consent, in writing, of the company was not obtained, and, after a fire had occurred, the insurance company refused to pay the loss, upon the ground

that this condition in the policy had been violated. The insured brought suit against the company and his suit was dismissed by the trial court and the action of the trial court in so doing was upheld by the Court of Appeals.

Evidences of Oral Agreement Contradicting Written Contract Inadmissible.

QUESTION: About five years ago I made a contract with certain manufacturers to act as their general agent throughout the State of New York. The contract provided that either party should have the privilege of terminating it upon notice being given. At the time the contract was made I had a long talk with the president of the manufacturing company, in which I stated that I would under no circumstances consider making the contract unless the company would agree, if they decided to terminate the contract, not to interfere in any way with the business that I had established. This the president assented to and stated that the company would certainly not interfere with any business I had established if they decided to terminate the contract. Relying upon this, I entered into the contract. The company recently decided to terminate the contract and they have in every way violated the agreement I had with the president of the company, and have interfered with the business I have established. Have I not the right to sue the company for damages for their violation of their contract?

REPLY: We are of the opinion that you have no cause of action against the company upon the facts stated. On a certain day you entered into a written contract with the corporation, the terms of which were definite and complete in themselves. There was no provision in the contract by which the company agreed not to interfere with the business established by you on their termination of the contract. If you were allowed to prove this oral agreement you would contradict the terms of the written contract, which the courts have repeatedly held to be improper. This oral contract was a part of the written contract, but did not constitute an independent and collateral contract. We are of the opinion, therefore, that evidence of this would would be inadmissible. This view is sustained by the Court of Appeals in 57 N. E. R. 470.

The South British Trading Co.

At the Hardware exhibition, a representative of The Hardwareman came across the stall of the South British Trading Co., and was fortunate enough to meet the managing director, J. Friedenstein. Having heard that this company conducts its business on novel and unique lines, and knowing that its methods had somewhat puzzled the retail trade of this country, our representative determined to get at the truth of the matter. He found Mr. Friedenstein enthusiastic and both willing and able to talk frankly upon the whole subject. Although interrupted every now and again by passers-by, the following is the gist of Mr. Friedenstein's remarks:

"Yes, it is quite true that we are not yet quite understood either by the retailer or, for the matter of that, by some of the factors. It is equally true that we have eight travelers spending the whole of their time doing missionary work amongst the retailers of this country, and yet we do not sell a pennyworth of goods to any of them! You look surprised. Then I will explain. The South British Trading Co. does an exclusively agency business. We represent about thirty American manufacturing firms, all of whom have some specialty of one sort or another, and all of whom, in our opinion, have something worth selling in this country. Look around here and see what we have got. Here are the Griffin pressed steel shelf brackets, both fixed and folding. There you see a variety of the Bardsley door checks and springs. Here is a line of Payson's signal sash locks. Over there you will find some high-class wood door furniture. Come in here, and just round the corner are some oil and gas stoves, whilst in that show-case there are some lovely tool grinders. We have wrenches and saw sets, hack saw blades and frames, Fox's combined square and mitre, household specialties, including

pokers, shovels, frying pans, glue-pots, hatchets, hammers, not to mention that show-case containing a beautiful selection of the Cincinnati Tool Co.'s goods. I could talk about those tools for half an hour. We also have the complete line of padlocks and cabinet locks as manufactured by the Corbin Cabinet Lock Co. Well, our travelers are around all the time showing samples of these various goods to possible buyers in England, Scotland, Wales and Ireland, and I am just off to the Continent to do a very thorough European tour. And yet we do not sell a pennyworth to the retailer. How, then, do we do it? Every order we receive we turn over to some factor to whom we have sold some of our goods in bulk. The goods our travelers have sold are at a fixed price, always allowing a recognized discount which enables the factor to sell our principals' goods at a satisfactory profit. You see, it is another variation of the prices maintenance scheme, about which The Hardwareman has already waxed enthusiastic. Those factors who are our clients know perfectly well that our travelers sell at prices which will enable them to supply the goods at a reasonable profit, whilst upon the other hand, the factors agree with us to sell at certain specified prices and rates of discounts. It all works like a machine, you see. When one of our travelers has shown his goods, the retailer will want, perhaps, to make up a sample order. So said, so done. Then our traveler produces a list of factors, and it is ten to one that the customer is in the habit of dealing with one or other of them. The next thing is for the customer to decide through what factor the goods shall be delivered. The order may go complete through one factor, or it may be distributed amongst two or three. On the order sheets which come in from our travelers, provision is always made for stating the names of the factors who are to do the business. When we receive the orders every morning, we always turn them over to the factors specified on the order sheets. Sometimes no factor is specified, in which case we use our own discretion. Sometimes we have orders which no factor will execute, in which case, I am sorry to say, the order remains upon our books waiting for the time when either the factor will change his mind or some other factor will come along. 'Very pretty,' you say, 'but where do we come in? We come in when the accounts are made up by our principals. We will not undertake to sell any goods in this country unless we have the exclusive agency, so that our commission is secure at that end when the books are made up, and the full extent of the British business is disclosed. Yes, it works out excellently. The factors are pleased; our principals are pleased, for they get their cash promptly; we are pleased, for we get our commission; the retailer is pleased, because he has not to open up new accounts; our travelers are pleased, because they have something novel to talk about, and a good talking line is half a battle, as you know. Make it quite clear, then, to your readers that we transact all our business through the prominent factors of this country. Our methods are gradually becoming known, and I may tell you, are much appreciated by factors and merchants, particularly in the Midlands. We are in the third year of our existence, and I may tell you that I am entirely gratified with the results. It is curious, certainly, that every now and again a factor will refuse to execute an order, even when the customer is worth the credit. The other day I handed an order over to a firm of merchants. It was refused for the curious reason that they did not do business in that part of the country. Queer, isn't it? I never heard of an American firm refusing orders on those grounds. However, every firm knows its own business best, although sometimes they have little idiosyncrasies which would make you smile. Yes, I like doing business with Englishmen; and Englishmen have a growing predilection for American goods. It is we American agents who are the real ambassadors of peace. We promote good will and strengthen what Carlyle called the 'cash nexus." "-The Hardwareman, (England).

Synopsis of an Address Delivered by A. C. Rulofson, to the San Francisco and Oakland Retail Hardware Dealers' Association.

It is some thirty-two years since I entered the employ of the Russell & Erwin Mfg. Co.'s branch house at San Francisco. During all of these years I have had many experiences. I cannot call to mind a pleasanter one than that of this evening, in meeting for the first time, the members of the Retail Hardware Dealers' Association of San Francisco and Oakland, but I cannot but feel a certain degree of sadness when I look over this assemblage and miss the familiar faces of those who have gone across the river, having laid aside the trials and tribulations attending the conduct of a retail Hardware business.

I have fondly imagined that I knew intimately every retail Hardware merchant in San Francisco, basing this belief on my long experience in the trade. It is evident that I have overlooked the fact that a quarter of a century has hurried by, and the reaper has been busy among my friends in the retail Hardware business, and as I glance about me I see now only a few—less than a half a dozen—of those who were engaged in the Hardware business when I entered it, and they, like myself, were small boys, just entering their teens.

It may be interesting to many of you younger men to have a short history of the Hardware business in San Francisco.

In 1868 there were twelve or fifteen large wholesale Hardware houses in this city; comparatively very few retail houses.

The wholesalers were wholesalers in name only. They would sell you anything from a steam engine to a paper of tacks, consequently there was no room for the small dealer. These large houses, however, were conducted very much on the "go as you please plan"—were not only engaged in the wholesale and retail Hardware business, but were also endeavoring with might and main to wipe each other out. While the profits were liberal and the condition of the country was prosperous and growing, these houses have all passed away, one after the other, and if you would take the names from the tombstones in the Commercial Graveyard, you would find every wholesale Hardware concern established in this city, with the exceptions of the firms of Conroy & O'Connor, now Dunham, Carrigan & Hayden Co., Huntington & Hopkins Co., known now as Miller, Sloss & Scott, and the firm of Baker & Hamilton, whose name has never been changed, and whom I have the pleasure of representing this evening.

Naturally you would ask what was the cause of the disaster that overcame all of these houses. I can say conscientiously that I believe that each of these houses thought that they could sell "just a little cheaper than the other fellow," and in carrying out that rule they lost sight of the expenses of doing business, and before they were aware of it, they were selling goods at a profit below what it cost them to sell the goods; hence, when dull times came, and shrinkage in values, they had no accumulated profits, no reserve fund, no resources, and the result was inevitable—failure.

I am glad that the wholesale dealers of the United States are doing business to-day under a different policy. I am glad that the retail dealers have also come together to consult and abolish the abuses that have absorbed the profits of their business, and I wish to congratulate you, gentlemen, on coming together and forming an association that will undoubtedly be of great benefit to you, not only in connection with your relations with each other, but your relations with the jobbers of this city, and the manufacturers of the entire country. It is through your influence that the wholesale Hardware houses of San Francisco are strictly wholesale; that each one of these jobbing houses now becomes a supporter of the retail merchant rather than a competitor, and such relations must necessarily redound to the benefit of both classes.

Accept my assurance that the jobbers of this city wish your association every success; will gladly co-operate with you in the carrying out of any of your plans that are expedient and equitable.

I could talk to you at much greater length, but I hope to have the pleasure of again meeting with you, and therefore do not care to exhaust all the subjects that I would like to talk over with you, and therefore shall adopt the rule of giving you my ideas in homeopathic, but frequent doses.

Thanking you very kindly for your invitation to address you and for the very kind reception which you have extended to me, I will bid you good-night.

Pennsylvania Wholesale Hardware & Supply Association.

Representative Hardwaremen from points throughout the State of Pennsylvania were in attendance at the annual convention of the Pennsylvania Wholesale Hardware & Supply Association, which was held in the Bourse on Thursday and Friday, October 24 and 25, under the auspices of the Hardware Merchants' and Manufacturers' Association of Philadelphia.

Questions of interest to the trade of the State will be taken up and thoroughly discussed by the delegates who represent the Hardware industry of Reading, Scranton, Allentown, Wilkesbarre, Hazleton, Pottsville, Lebanon, Kingston, York, Danville, Lewisburg, Easton and Ashland.

The Pennsylvania association was organized in March, 1901, by T. James Fernley, of Philadelphia, secretary of the National Hardware Association, and secretary and treasurer of the local organization. At present it has thirty-five members. The officers are: President, J. M. Kemmerer, of Scranton; first vice-president, George Bard, of Reading; second vice-president, A. J. Roat, of Kingston; secretary-treasurer, H. V. Raub, of Lancaster.

The programme of the convention was as follows: On Thursday, October, 24, at 1 o'clock, luncheon will be prepared for the visiting delegates by the Philadelphia Association, in the Bourse. At 3 P. M., the association will go into executive session. At 7 P. M., a smoker and entertainment will be held in honor of the delegates.

On Friday, October 25, the delegates will be conducted through the various industrial establishments in the city, including the Disston Saw Works, the Plumb Tool Works, and the Miller Lock Co., of Frankford; the Enterprise Mfg. Co., of Philadelphia, and the File Factory of Hugh Mc-Caffrey & Co. At 3 P. M. the delegates will take luncheon at the Manufacturers' Club.

The officers of the Philadelphia Hardware Merchants' and Manufacturers' Association are: President, Hugh McCaffrey; vice-president, William C. Peters; secretary-treasurer, T. James Fernley.

The Roofing, Cornice and Skylight Manual.

David Williams Co., 232-238 William Street, New York, have recently issued a volume that is worthy of a large circulation among the stove and tinware dealers among our subscribers. It is entitled "The Roofing, Cornice and Skylight Manual." and is designed as a shop companion as well as a reference book and guide to young mechanics who are following any or all of these branches of work. In this work are presented three articles on as many subjects, viz.: Tin Roofing, Cornice Work and Skylight Construction, the book being prepared to comprehend all three branches of work, both on account of their close relationship and of a lack of reliable literature on these several subjects. The article on Roofing, which was prepared especially for this book by an expert mechanic, gives plain directions for laying flat and standard seam roofing. In addition to this, a table is given which will be found exceedingly useful to many, enabling them to estimate the quantity of tin required for roofs of any size. The second section of the volume is given to an article entitled, "The Country Cornice Shop." This forms an extended treatise on cornice making and equipment, well adapted for country shops, and is compiled from the columns of The Metal Worker, having been published serially in that The third and concluding section of the book, pages 141 to 172, consists of two articles on Skylight Design and Construction, which were originally the first and second prize essays of a competitive series of articles on this branch of mechanical work originally published in The Metal These articles are of an exceptionally complete Worker. and valuable character, and as the book as a whole is freely

illustrated with diagrams and folding plates, its utility to tinsmiths and cornice-makers is unquestionable. The price of the book is \$1.50, at which price it may be ordered from *Hardware* or direct from the publishers.

New Corn Harvester.

A corn harvester, for which great things are claimed, has been invented and put on the market by David Binns, of Camp Chase, O. Some idea of the device may be obtained when we say 100 hills have been cut, tied and finished in one minute and a half. The machine is drawn by two or three horses hitched tandem and walking between any two rows of corn. As the machine advances the corn stalks on either side are caught by the prongs and fed back to the knives which are all the time in rapid motion. When the stalk is cut it is carried back by machinery to a moving platform where it is tied with other stalks and properly disposed of for shocking. Manufacturers of farm implements have examined the harvester and pronounced it good.

Don't Hold Another Man's Letters.

Those of us who are so unfortunate as to have names not out of the ordinary have suffered from the annoyance of having our letters delivered to persons bearing similar names; and often letters intended for one firm are delivered to another having a name nearly in common.

As a rule, it is the carelessness of a clerk which is responsible for the delay in the letter reaching its proper destination, but sometimes the delay is intentional. No matter what the cause, a precedent is established in the case of Cohen vs. Cohen recently decided by the Texas Court of Civil Appeals for recovering damages for delay on the part of the receiver of an erroneously delivered letter in its transmission to the party for whom it is intended.

A certain A. Cohen, of San Antonio, Tex., should have received a letter addressed to him referring to the sale of some real estate at Houston. Another A. Cohen got the letter and was the cause of several days' delay in having it reach the proper addressee, who in the meantime lost an opportunity to sell his property.

He thereupon brought a suit against the wrong A. Cohen, winning his case in the lower court, which judgment was affirmed on appeal, on the ground that under section 3892 of the Revised Statutes the appellant owed a duty to the appellee not to obstruct his mail, and that by failing promptly to return the letter he had violated that duty and was liable for the damages approximately resulting therefrom.—The Credit Man

American Bicycle Co.

It has been officially announced that the directors of the American Bicycle Co. have resolved to recommend to the stockholders a reduction in the authorized capital stock of the company, amounting to \$80,000,000, to \$26,996,400. Of the authorized capital stock, something like \$300,000,000 has been issued. About \$3,000,000 is held in the treasury.

Vice-President Pope stated that the scheme was to reduce the authorized capital to the actual stock outstanding, which amounts to nearly \$27,000,000. A special meeting of the stockholders will be held on Oct. 30 to act upon the resolution. All the large shareholders have already signified their willingness to vote in favor of the reduction.

Dumleigh—I should like to know what Synnex meant this morning?

Littleton-What was it he said?

Dumleigh—I happened to say I didn't tell all I know, and he said he should think it impossible for me to tell any part of it.—Boston Transcript.



CONSULAR COMMERCIAL COMMENTS.

CORUNDUM DEPOSITS OF CANADA.

Consul-General Bittinger, of Montreal, sends the following:

Corundum is an article of great use in the industrial world, for its very high abrasive powers, being used instead of emery as a grinding material. Emery is, in fact, but an impure and, consequently, much inferior grade of corundum.

Corundum, until recently, was very little used, as the expense of its mining and its rarity kept its price too high for general use. But the deposits in Ontario are of such value and are so easily worked that it is expected it will henceforth be placed on the market at a more reasonable price. Corundum is a compound of aluminum, and is of the same material as the sapphire and ruby, merely lacking their brilliant colors.

The Ontario deposits lie north of Kingston, and cover a large area. The corundum occurs along with mica and other substances. It is tamped up into powder and separated from the rest of the rock by washing, its weight being much greater than that of the other constituents of the rock. The deposits have only recently been discovered, and are as yet almost undeveloped.

A company is starting to work some of the deposits purchased from the government. The specimens so far tested have proven rich, and the extent of the deposits is probably quite large, though that has not been thoroughly investigated. There is no impediment in the development of these mines at present. They are easily worked, rich in the mineral, and conveniently situated, so that transportation will be cheap.

With the discovery of the corundum deposits in such pure condition has arisen the somewhat vague hope that its more precious relations, the ruby and the sapphire, might also be found in the same region, and this has led to considerable investigation. In some places corundum has been found which shows plainly the blue line of the sapphire, but as yet no real gems have been discovered.

Corundum of a very high grade—viz., 95 per cent. pure—is now being produced at Combernere by the Canada Corundum Co. When it is remembered that manufacturers have heretofore been satisfied with an 80 per cent. product, the outlook for the Canadian industry seems bright.

The Canadian deposit is found in the Appalachian Mountain range, which runs through the eastern townships of Quebec, and as the rock formation is the same as in North Carolina, there is every reason to believe that corundum exists there also.

DETONATING DEVICE IN FRANCE.

M. Aubert, a local inventor, has produced a successful apparatus for exploding dynamite with safety in coal mines where gas is present in dangerous volume, without the use of electricity, the installation of which is always costly and subject to disarrangement.

The instrument seems to cover the exposed end of the safety fuse, to fire it, and to receive all flame and sparks thrown off without allowing any communication with the atmosphere.

A copper tube receives the end of the fuse to a depth of several inches. At the other end of the tube is fixed a percussion cap, similar to those used in toy pistols and lying against the side of the tube, which is pierced in its turn by a small hole. The distance between the extending end of the fuse and the percussion cap is only 2 millimeters (0.07 inch). The end of the tube with the percussion cap is introduced

into another cylinder, also of copper, which contains the firing mechanism. To operate the apparatus, the tube containing the fuse is held in the left hand while with the palm of the right a smart blow is truck on the bottom of the percutient, when the cap explodes.

The gas produced by the fuse fills the cylinder, but cannot escape outside, unless extinguished, as the holes in the cylinder are covered with metallic gauze. In practice, the tubes are prepared outside, in the daytime, by the lampeleaner, so that no stray percussion caps may be brought into the mine.

Each foreman whose business it is to supervise the blasting takes into the mine a case containing the number of tubes required for the day, and brings them back at night to be recharged.

This simple apparatus has been in use for the last few months in one of the St. Etienne mines, as well as in the north of France. It is reported to be giving much satisfaction, being both economical and sure in its working.

HILARY S. BRUNOT,

St. Etienne, September 25, 1901.

Consul

ENGLISH CONTROL OF RUSSIAN INDUSTRIES.

Consul Mahin reports from Reichenberg, August 8, 1901: English companies are taking a very important part in the management of Russian industries. According to a late Russian publication, forty-five different British corporations are thus engaged, mainly in southern Russia. Of these, sixteen operate in the petroleum industry, eight in coal, iron and steel production, twelve are developing mines yielding metals and precious stones, while the remaining nine are engaged in textile industries, bicycle making, and constructing waterworks and mills of different kinds.

Ashland Emery and Corundum Co.

With the formation of the Ashland Emery and Corundum Co. recently, the affiliation of the emery manufacturing interests of the United States was completed. There are only three large emery manufacturers in the United States, and, while no trust or parent corporation has been formed, the production of the commercial emery is practically under control of one body.

In the new Ashland company there are representatives of the other concerns, and the Ashland mills, which are located in Perth Amboy, N. J., have an interest in them also. The capital stock of the local corporation is \$3,000,000. The plant in Perth Amboy is extremely valuable, being the largest in the United States. It was moved there twenty-five years ago from Ashland, Mass.

The ore used is mostly mined in Turkey, Asia Minor. It is brought to New York as ballast in ships sailing from Mediterranean ports, and then reaches Perth Amboy on lighters. There are about 2,000 tons of the raw material now on hand here and the mill is being worked to its full capacity.

Cooke—It's surprising how unpractical some men are. Brooke—Why, how's that?

Cooke—Well, there's Prof. Linguist, for example. He spent the best part of his life in acquiring fluency in nine or ten different languages, and then went and married a wife who never gives him a chance to get a word in edgeways.—Tit-Rits.

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The American Hardware Manufacturers' Association.

The manufacturers who have already expressed their desire to become members of the Association as organized, are enumerated in the following list:

Atlas Bolt & Screw Co., Cleveland, Ohio. Atha Tool Co., Newark, N. J.
American Axe & Tool Co., New York, N. Y.
E. C. Atkins & Co., Indianapolis, Ind. Avery Stamping Co., Cleveland, Ohio. Berger Mfg. Co., Canton, Ohio. Bronson, Walton & Co., Cleveland, Ohio. Black Diamond File Works, Philadelphia, Pa. Bryden Horse Shoe Co., Catasauqua, Pa. Corbin Cabinet Lock Co., New Britain, Conn. The Cleveland Foundry Co., Cleveland, Ohio. Columbian Hardware Co., Cleveland, Ohio. Cleveland Hardware Co., Cleveland, Ohio. Cleveland Twist Drill Co., Cleveland, Ohio. Cleveland Stone Co., Cleveland, Ohio. Henry Disston & Sons, Inc., Philadelphia, Pa. The Deming Co., Salem, Ohio. Grafton Stone Co., Grafton, Ohio. Garland Chain Co., Pittsburgh, Pa. Goodell Co., Antrim, N. H. Hopkins & Allen Arms Co., Norwich, Conn. Hussey-Binns & Co., Ltd., Pittsburgh, Pa. H. C. Tack Co., Cleveland, Ohio. Iver Johnson's Arms & Cycle Works, Fitchburg, Mass. Iron City Tool Works, Pittsburgh, Pa. Iowa Farming Tool Co., Ft. Madison, Ia. Jones & Laughlins, Ltd., Pittsburgh, Pa. Kirk-Latty Mfg. Co., Cleveland, Ohio. Kelly Axe Co., Alexandria, Ind. Landers, Frary & Clark, New Britain, Conn. Lovell Mfg. Co., Erie, Pa. Lufkin Rule Co., Saginaw, Mich. Chas. Morrill, New York, N. Y. Metal Goods Mfg. Co., Cleveland, Ohio. McCaffrey File Co., Philadelphia, Pa. McKinney Mfg. Co., Allegheny, Pa. National Sewing Machine Co., Belvidere, Ill. Nicholson File Co., Providence, R. I.
North Wayne Tool Co., Hallowell, Me.
National Sweeper Co., Marion, Ind.
Norton Tool Co., Cleveland, Ohio. Norton Tool Co., Cleveland, Ohio.
Old Dominion Iron & Nail Works Co., Richmond, Va.
Ohio Tool Co., Columbus, Ohio.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Oneida Community, Ltd., Kenwood, N. Y.
Fayette R. Plumb Co., Inc., Philadelphia, Pa.
Peck, Stow & Wilcox Co., New York, N. Y.
Pittsburgh Steel Co., Pittsburgh, Pa.
The Pike Mfg. Co., Pike Station, N. H.
The A. J. Phillips Co., Fenton, Mich.
Pressed Steel Rake Co., Buffalo, N. Y.
Reynolds Wire Co., Dixon, Ill.
Rome Mfg. Co., Chicago, Ill.
Rome Brass & Copper Co., Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Stanley Rule & Level Co., New Britain, Conn.
Standard Horse Nail Co., New Brighton, Pa. Stanley Works, New Britain, Conn.
Standard Horse Nail Co., New Brighton, Pa.
O. P. Schriver & Co., Cincinnati, Ohio.
Standard Chain Co., Pittsburgh, Pa.
Standard Register Co., Cleveland, Ohio.
St. Louis Shovel Co., St. Louis, Mo.
Stowell Mfg. & Foundry Co., So. Milwaukee, Wis.
Van Wagener Co., Cleveland, Ohio. Van Wagoner Co., Cleveland, Ohio. Withington & Cooley Mfg. Co., Jackson, Mich. Wabash Screen Door Co., Chicago, Ill. Wilcox Mfg. Co., Aurora, Ill.

COMMITTEE OF MEMBERSHIP.

The Committee on Membership, to whom the eligibility of applicants for membership will be referred, is constituted as follows:

William H. Hays, Iron City Tool Works, Pittsburgh, Pa. George O. Hart, Stanley Works, New Britain, Conn. Arthur B. Clarke, Old Dominion Iron & Nail Works Co., Richmond, Pa.

Edward Ingalls, Atha Tool Co., Newark, N. J.

Thomas Almgill, G. & H. Barnett Co., Philadelphia, Pa. D. W. Simpson, Wilcox Mfg. Co., Aurora, Ill.

Edward Kemp, Wabash Screen Door Co., Rhinelander, Wis.

F. E. Buckwell, Cleveland Twist Drill Co., Cleveland, Ohio. W. H. Withington, Withington & Cooley Mfg. Co., Jackson, Mich.

We take pleasure in presenting herewith the full report of the address made to the meeting by Fayette R. Plumb when he was installed as the first president of the American Hardware Manufacturers' Association, at its organization.

ADDRESS OF FAYETTE R. PLUMB.

I desire to thank each one of you personally for the great honor conferred in selecting me as the first president of the American Hardware Manufacturers' Association. While I greatly appreciate the compliment extended, I am fully aware of the grave responsibilities it entails; but feel greatly encouraged when I review the names of the Executive Committee, as I know the work of organization will be entrusted to able hands.

There are three points that present themselves to my mind at the present time that deserve your consideration:

First. Cash Discount. Second. Contracts. Third. Special Brands.

THE CASH DISCOUNTS.

The cash discounts were conceded by nearly all the manufacturers in their desire to meet the wishes of the jobbers; but it should be understood that when terms of 60 days or 2 per cent. cash, 10 days, are granted that the bills should be paid in ten days and not in twenty or thirty. It is customary, however, for some to take their own time while others have demanded that they be allowed to settle their account on the tenth of the next month following purchases, thus securing thirty days for settlement. Therefore, by conceding the 2 per cent. under these conditions, we are allowing nearly 2 per cent. per month for money which we all recognize as a high rate of interest. There was a time not long distant when all the steel manufacturers granted us a cash discount of 3 per cent., but owing to improved conditions and the consolidating of interests, they have thought it wise to make their terms 30 days net. It, therefore, makes it doubly hard for us when our terms are not complied with.

THE QUESTION OF CONTRACTS.

Coming now to the question of contracts, I wish again to refer to the steel manufacturers who not only know how to make contracts, but insist on their observance. These contracts state distinctly the terms, price, time of delivery and quantity, and if the manufacturer who makes a contract studies his own interest, he will soon know that it is to his advantage to comply with all the conditions mentioned in the agreement. On the other hand, we are confronted with the fact that a contract made with a jobber means nothing but his protection. If the price declines or another manufacturer makes a lower quotation or the demand falls off or he thinks it is inconvenient to take the goods, he simply cancels the order and the manufacturer has no redress. I do not wish to infer that this condition has been brought about by the jobbers alone; on the contrary, the manufacturer must shoulder part of it. Owing largely to the loose methods of doing business, pursued by nearly all makers, one will endeavor to outstrip another by offering additional inducements.

IN REGARD TO SPECIAL BRANDS.

In referring to special brands, I wish to impress upon you the fact that a few years ago it was the exception for any of our jobbing friends to ask for brands other than those mentioned in the manufacturers' catalogues; but now the demand seems to be increasing steadily, especially since the organization of the National Hardware Association, and if this demand continues, manufacturers' brands will soon be eliminated from the market and in a few years those who have worked a life time to build up a business, will lose their identity and brands that have become famous because of quality and finish will be unknown.

quality and finish will be unknown.

I have taken the liberty of presenting these three points for your consideration and hope you will come prepared to

discuss them at our next meeting.

Our organization, formed here to-day, must be harmonious to be successful. The formation of cliques referred to by one of the gentlemen during the discussion this morning, would be disastrous to any organization.

SUCCESS IS ASSURED.

If the National Hardware Association can be made a success, I believe the Hardware manufacturers are capable of competing and maintaining a similar organization. I am, therefore, perfectly safe in predicting a bright and prosperous future for the American Hardware Manufacturers' Association.

Before taking my seat, I must again thank you for the compliment paid me and shall endeavor by strict attention to duty to merit your confidence and esteem.

The address met with the marked approval of the gentlemen present, being received with fervent applause and every token of appreciation.

Gray & Dudley Hardware Co's. Anniversary.

Nashville, Tenn., has the distinction of having one of the largest and most complete Hardware stores in the world. The mammoth establishment referred to is the one conducted by the Gray & Dudley Hardware Co. This company has just reached a triumphal close of its first year in its new building on College and Market Streets and has just been celebrating the first anniversary of the event.

The Gray & Dudley Hardware Co. was organized six years ago by a consolidation of Gray, Fall & Co. and Dudley Bros. & Black, two of Nashville's oldest and strongest Hardware firms. The officers of the company are R. M. Dudley, president; John M. Gray, vice-president; R. H. Dudley, Jr., secretary, and J. T. Jenkins, treasurer.



COL. R. M. DUDLEY, OF GRAY & DUDLEY HARDWARE CO., AND EXECUTIVE COMMITTEE, N. H. A.

One year and a half ago the company began the erection of the largest store ever built in Nashville, and the building was completed in six months. It is seven stories in height and fronts seventy-five feet on Market Street and fifty-five feet on College Street. The length of the building is 226 feet. On the day of the formal opening one year ago, the building was visited by over 40,000 people.

The retail department is on the first floor of the building and the wholesale departments are on the other floors. There are fourteen separate departments, and the fixtures are said to be the most costly of any building of the kind in the United States. There are 300 employees in the building, and the company has thirty-five traveling men representing it in all of the Southern States. The company operates its own system of telephones in the building, having forty telephones and employing an operator.

This company has introduced many innovations unknown to many of the other large Hardware stores of the country. They keep employed a man whose only work is to dress and decorate the windows, and the beautiful displays show that the decorator is an adept artist. Another man is employed to write the advertisements of the firm for the daily papers.

The store is beautifully decorated with natural and artificial palms, and Southern smilax has been placed on the columns reaching the ceiling. With the handsome displays in the different departments, the store presents a beautiful scene. During the anniversary celebration the company made reduced prices for its customers. Ten thousand souvenir spoons were purchased by the company to be given to customers and friends.

During the celebration the company had band concerts in the afternoons between 4 and 6 o'clock by its own band. The concert and the attractive beauty of the store was drawing many people throughout the day, and many visitors came on the day following.

This company also has a saddle and harness factory, occupying the five-story building on Market Street adjoining the Hardware store, and it operates a trunk factory and handle factory in other parts of the city. These factories also do an immense business.

National Association of Credit Men.

Under the new rule, each of the standing committees of the N. A. C. M. consists of one hundred and fifty members, five being appointed by each local branch. Only the chairman is appointed by the president of the national body. Chairmen for the year 1901-2 are as follows:

Business Literature—Malcolm Graham, Jr., F. O. Pierce Co., New York.

Membership-J. Harry Tregoe, Carroll, Adams & Co., Baltimore, Md.

Credit Department Methods—F. H. McAdow, Staver Carriage Co., Chicago, Ill.

Investigation and Prosecution—Daniel B. Murphy, Burke, Fitz Simons, Home & Co., Rochester, N. Y.

Legislative—C. S. Foster, Louisiana Tobacco Co., Limited, New Orleans, La.

Improvement of Mercantile Agency Service—C. B. Nordeman, J. M. Robinson, Norton & Co., Louisville, Ky.

Lancaster Machine and Knife Works.

Lancaster, N. Y., has been highly honored through the awarding of prizes at the Exposition, as the Lancaster Machine & Knife Works have been awarded the gold medal on their entire line of machine knives and a silver medal on their line of bit braces, being the highest award on similar lines of mechanics' tools.

The progress and growth of the above concern has been remarkable, having started but seven years ago, and in the face of the keenest of competition they have built up a vast trade throughout the world on their goods. This concern makes a specialty of knives for all kinds of wood-working establishments, such as veneer, barrel, stave and hoop, planing, excelsior, etc., etc., and on paper mill work their trade is very heavy, turning out all kinds of chipper, barker, rag, paper trimmers, etc., etc., also a great variety of special knives, together with tobacco, meat cutting, leather cutting, etc. The award on knives covers their full line.

Three years ago they added to their line bit braces, and in this they have been equally successful, as their goods have not only a large sale through this country and Canada, but are shipped in large quantities to almost every country on the globe.



HARDWARE PATENTS.

The following list of Patents, Trade Marks and Designs of interests to the Hardware trade are furnished by Davis & Davis, Solicitors of American and Foreign Patents, Washington, D. C., and St. Paul Building, New York City.

HARDWARE PATENTS EXPIRED OOT. 7, 1901.

306,052. Bench-Clamp, J. Birch, Dayton, O., assignor of one-half to W. E. Sparks, same place.

306,066. ROLLER-SKATE, J. A. Dodge, Somerville, Mass.

306,079. Door-Hanger, E. N. Hutchins, Lawrence, Mass., assignor by mesne assignments to himself and W. H. Hutchinson, same place.

306,093. Can for Ashes, Garbage, etc., T. W. McKeever, Brooklyn, N. Y.

306,096. SCREW-DRIVER, C. H. Olson, Decatur, Ill.

306,191. Tool-Head Eye, H. H. Trenor, New York, N. Y.

306,192. Tool-Head Eye, H. H. Trenor, New York, N. Y.

306,203. Bench-Stop, John Adams, Hancock, N. Y.

HARDWARE PATENTS ISSUED OCT. 8, 1901.

683,931. VISE, J. Goodrich, Chicago, Ill.

683,972. Liquid Door Check, J. Nordqvist, Stockholm,

and P. E. Nordqvist, Sundbyberg, Sweden.

684,000. Door Securer, A. L. Shore, Minneapolis, Minn.

684,015. PARALLEL PLIER NIPPERS, H. G. Weibezahl, New York, N. Y.

684,017. SASH LOCK AND FASTENER, S. G. Wellman, Corry, Pa.

684,082. Combination Lock, W. E. H. Morse and O. H. Bemis, Algona, Iowa.

PATENTS EXPIRED OCT. 14, 1901.

306,376. RATCHET-DRILL, W. J. Armstrong, Indianapolis, Ind., assignor of one-half to J. A. Wilson, Nashville, Tenn.

806,400. FASTENER FOR DOOR KNOBS, A. D. Hoffman, Chicago, Ill., assignor to G. G. Calkins, same place.

306,439. WRENCH, B. F. Stockford, Sturgis, Mich.

306,480. SASH FASTENER, B. J. Goldsmith, Saratoga Springs, N. Y.

806,491. Screw Driver, G. W. Jackman, Littleton, N. H.

306,507. Plane, C. A. Meekins, Pine Meadow, Conn.

806,539. Combination Tool Holder, O. B. Shine, Covert, Mich.

PATENTS ISSUED OCT. 15, 1901.

684,405. CLOSING ABOVE SLIDING DOOR, A. and M. C. J. Bille, Spokane, Wash.

684,443. Vise, J. R. Long, Akron, Ohio.

684,722. Brace for Auger Bits and Augers, E. S. Rose, Stockbridge, Mich.

A New Self-Locking Bolt and Nut.

H. Clay Jordan, of Seattle, Wash., has received a patent for a nut lock and bolt, which is said to be a departure from previous methods of making bolts. It is exceedingly simple and the cost of manufacture is said to be less than that of the ordinary bolt and nut.

Its ingenious feature is in the use of a spring washer which is also the lock, and on the outer surface of which is a lug located at the end of a spring tongue. The nut is supplied with grooves into which the lug engages, thus holding the nut immovable even though the machinery, or whatever it is an attachment of, may endure constant vibration. While it is claimed that the nut is securely locked, it requires nothing more than an ordinary wrench to remove it.

It is applicable to any kind of work in which bolts and nuts are used. On marine engines where there is constant jar they are especially applicable, and will also be useful on rail joints, saving the work of the trackwalker.

A company has been organized in Seattle for the manufacture of the new device with a capital stock of \$200,000. George N. Gilson is president of the new concern; H. Clay Jordan, the inventor, is vice-president and general manager;

George B. Cole is treasurer, and W. Pope Jordan is secretary.

The company has not yet decided upon a site. It is expected that by the middle of next Summer the factory will employ about 300 men. It is stated that a number of orders for the device have already been received, to be filled as soon as the factory begins operation.

Invented for the Barber's use.

Heretofore it has been customary for a barber when cutting hair to first use a comb in bringing the hair to an upright position, then grasping the hair between the first and second fingers of the left hand, disposing of the comb in one hand or the other, and finally cutting off the tops of the hairs held In this operation, obviously, considerable in the fingers. time is lost in transferring the comb from one hand to the other each time the scissors are brought into action, inasmuch as the comb and scissors are alternately used in the process. The object of a new invention is to provide a pair of scissors with a comb attached to stand in a position most convenient for use in lifting the hair, without being in the way while the shears are cutting it. Thus, there is no necessity for transferring the two implements from one hand to the other during the operation. The patent on this device has been granted to Joseph Sansome, of Des Moines, Ia.

The Mending of Pocket Knives.

A man of an inquiring turn, says a writer in the New York Sun, who had read on the front of a cutler's shop the sign "Pocket Knives Rebladed and Rehandled," and who recalled the fact that, when he was a boy, he used to get a new blade put in sometimes when he broke one out of his knife, found, upon inquiry, that boys still get new blades put in knives just as they used to, but that, as a matter of fact, the people who have pocket knives repaired are mostly older persons, and that the knives are likely to be valued for their associations.

"I've carried that knife for fifty years," says one gentleman, and he hands over a knife that he's carried since he was a boy, and that he'd hate to lose.

Many knives brought in for repairs are prized because they are gifts; or they were bought in some foreign country, or they just suit the hand of the man that uses them. There are various more or less sentimental reasons why a man may prefer to keep the old knife rather than discard it for a new one. Then it may be that in some other cases, the knife is too valuable to be thrown away. So that first and last and for one reason and another out of the vast number of pocket knives carried a good many come in to be mended.

The repairs made to pocket knives are of a varied character. They may consist, for example, in the putting on of one new pearl side on a pearl-handled knife to replace a side cracked or flawed. With long use the blade at the hinged end or the spring in the handle or the rivet by which the blade is held may get worn so that the knife blade won't close properly, or may be the spring is no longer as it should be, flush with the back of the knife. In fact, a great many things can happen to a pocket knife and of course the more blades the more things can happen, but the cutler repairs them all.

The phrase "rebladed and rehandled" suggested, of course, the idea of a complete renewal, and the inquirer wondered if it might not be possible that with the repair of a knife in one part and another such a renewal might occur. And the cutler said that not only was it possible, but that sometimes it actually did happen that with successive renewals of its various parts the whole knife came sometimes to be entirely renewed, and nothing was left of the original knife.

Justice—Will you swear that you saw the accused smoking a cigarette?

Witness—I don't swear, your Honor, but I'll bet you \$10 to \$5 that he was.—Ex.



CHARLES CONTROLLES CON

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RECENT TRADE PUBLICATIONS.

Iowa Farming Tool Co., Fort Madison, Iowa, are distributing to the trade a leaflet on Walk Cleaning Tools, embracing in its contents the Star Socket Cleaner, Star Shank Cleaner, the "Iowa" Ice Chisel and a Walk and Street Scraper, which form a portion of their popular Winter products. In common with all the stationery emanating from the advertising department of this company, this leaflet is gotten up in as tasteful and handsome a style as anything of the kind we have had brought to our attention. The illustrations are fine half tones, printed on coated paper in two colors in excellent style, and represent a class of literature which, when reaching the dealer, is rarely thrown away. In connection with the leaflet they are circulating a card printed in three colors showing the Side-Walk Cleaner which is made in socket and shank patterns, being all steel in its construction. This is a class of goods that dealers at the present time are making preparations to order in anticipation of wants a month off.

MERCHANT & Co., Philadelphia, have recently issued a very important catalogue of 140 pages, intended for metal workers, machinists, foundries, ship, car and engine builders, electrical workers, Hardware and stove dealers and plumbers, it being filled throughout with supplies needed by each of these several branches of trade. It is rare that more information is given in such compact form and so completely illustrated. In addition to the illustrations showing the various articles that are catalogued, a number of full-page half tones are incorporated in its contents, showing the general and private offices of Merchant & Co., the boxing and shipping of tin plate department; also illustrations showing some of the processes of manufacturing the same, which include in their scope one of the assorting rooms, view in the black plate department, and another view showing the pickling room in which black sheets are prepared for tinning purposes. Nearly a score of these full-page half tones are given, all of which are excellent, not only in the instruction they give covering the several lines, but also as indicating the large area covered by the products made and controlled by this well-known company, the frontispiece to the catalogue giving a bird's-eye view of the plant to which the several illustrations referred to apply. This is a catalogue that it behooves each of our readers to write for, as a great deal of technical information is conveyed as well as the enumeration and description of articles dealt in. Among the leading lines controlled by Merchant & Co., may be mentioned High Grade Roofing Plates, Extra Quality Bright Plates, Solders, Babbitt, Newspaper and Mixed Metals, "Star" Ventilators, "Gothic" Shingles and Metal "Spanish" Tiles. They are also controllers and managers of the International Sprinkler Co.

F. E. Myers & Bro., Ashland, Ohio. Pamphlet catalogue of Spray Pumps, showing the numerous styles manufactured by them, covering every possible requirement; also a catalogue of their Haying Appliances, of which they are large manufacturers, including Combination Carriers, Single Rail and Double Lock Reversible Hay Carriers, Iron Track or Cable Hay Carriers, Sling Pulleys, etc. Circulars are included in the outfit, showing their "Stayon" Flexible Door Hangers, which have already been commented on in this paper, and their Well and House Pumps. All these circulars are printed in colors, in attractive style, the brass parts being indicated by a bronze printing, and consequently of considerable interest to the trade.

Torrent Pump and Fence Co., Cleveland, Ohio. Pamphlet catalogue of 36 pages, covering their important line of Torrent Purifying Pumps, together with Chain Pumps, Torrent Water Drawer, Roberts Water Drawer, Suction Pumps, Pitcher Spout and House Force Pumps, Lift Pumps and Single-Acting Force Pumps. Included in the contents are the Peerless Continuous Flow, Double-Acting Well Force Pumps. The catalogue also embraces in its contents the Rogers Patent Fence Machine manufactured by this company, which has achieved a popular success wherever introduced, and the many styles of fence which can be constructed by its aid are fully illustrated, together with many testimonials from parties who have purchased their various products and have found them in every respect fully up to date.

BOSTON & LOCKPORT BLOCK Co., Boston, Mass., are distributing to their friends and customers in booklet form the last speech of President McKinley, delivered at the Pan American Exposition, September 5th.

R. E. DIETZ Co., 60 Laight Street, New York. Pamphlet catalogue of 64 pages, covering the line of Dietz Tubular Lanterns, Street Lamps, Driving Lamps, Automobile Lamps, Bicycle Lamps, Locomotive Head Lights, Commercial, Railroad and other Lanterns, which have for a number of years formed the important product of this well-known company, one of the oldest in the lantern business, having been established in 1840. The extent of their facilities for manufacturing is indicated by the frontispiece to this catalogue, showing their factory in this city, with a frontage of 200 feet and nine stories and basement in extent. All their large and innumerable assortment of lanterns is fully shown and tastily illustrated in a manner that would make their utility clear to any one, covering every possible want in the lantern department. They are thoroughly up-to-date goods, and no dealer handling lanterns should be without a copy of this important publication. Included in the contents of the catalogue are shown a number of styles of Railroad Lanterns, Conductors' Lanterns and similar lanterns not invariably made by lantern manufacturers engaged in making more popular lines. Altogether it forms a most complete assortment. In connection with the above the Dietz Co. publish a separate catalogue of Signal Lamps very attractively gotten up, presenting their new Steel Engine, Classification, Coach Marker and Switch Lamps, which they claim are the strongest, most compact and thoroughly up-to-date lamps of this kind made. They are constructed on scientific principles, having a new patented device for changing the colors. The Marker Lamps are fitted with three or four lenses as required; the Switch Lamps are made with two styles of bottoms, either open spider or solid. Altogether it is a catalogue illustrating a line not frequently brought before the trads. It should be in the possession of every up-to-date dealer.

TROY NICKEL WORKS, Albany, N. Y., are mailing to their friends and customers in a very novel and attractive form the last public address of President McKinley, which was delivered at the Pan American Exposition on September 5th. This is presented with the compliments of the company, and is a very attractive form of distributing what is undoubtedly a representative speech of our lamented President on a subject that he was thoroughly conversant with, and to which he gave a great portion of his later life in elaborating and bringing to a state of perfection.

Fishing Tackle Specialties.

The Enterprise Mfg. Co., Akron, Ohio, who have been engaged in the manufacture of fishing tackle specialties for nearly a quarter of a century, have recently become interested in the manufacture of fishing reels on a large scale, and

rivers

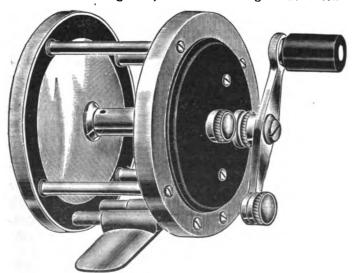
PFLUEGER'S KENTUCKY REEL. 60 YARDS.

have purchased new dies and tools of the latest designs and greatest efficiency. They have secured the services of the most expert workmen in this particular line, and are now putting out all the popular styles and sizes of reels in brass, nickel, German silver and hard rubber, suitable for fresh and salt water. These are supplied to the trade at extremely moderate prices, in sizes to contain the following lengths of line: 40, 60, 80, 100, 150, 200, 250, 300, 350 yards.

A selection of a few of the most practicable reels of their manufacture includes the following:

Pflueger's Kentucky reel. This takes 60 yards of line. It is made of hard drawn German silver, and the stubs of steel, with tempered click spring, ratchet and tongue.

Pflueger's Salt-water reel. This reel holds 300 yards and is built to hold large fish, with extra strength. It is con-

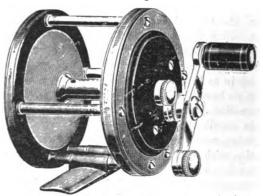


SALT WATER REEL. 300 YARDS.

structed with rubber of extra strength, and the makers claim that it will last a life-time.

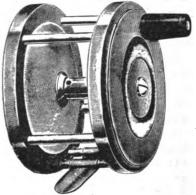
Black Bass reel. This reel takes 80 yards of line, multiplies quadruple and is made of extra fine hard rubber, metal bound full steel pivot, with click.

Salmon reel. This holds 300 yards of ordinary salmon line, such as is used on the Restigouche and other salmon



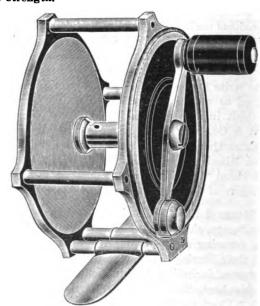
BLACK BASS REEL. 80 YARDS.

rivers. It is one of the finest reels in the market, and one of the simplest. The tongue and ratchet are steel, oil tem-



SALMON REEL. 300 YARDS.

pered, and the reel itself is of German silver and nickel. All the parts are accurately fitted and put together with neatness and for strength.



THE SPECIAL REEL. 100 YARDS.

No. 275. The Special reel. This reel holds 100 yards. It is of fine German silver inlaid in hard rubber, and is one of the handsomest and best finished reels on the market. It is hand-made throughout, with steel hardened spring, and tempered tongue and ratchet.

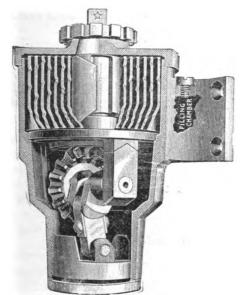
The Ogden Liquid Door Check and Spring.

The Ogden Mfg. Co., Newark, N. J., are largely extending the sale of the Ogden Liquid Door Check and Spring, of which we give illustrations in the course of this article. One of the greatest features of this Door Check and Spring is the automatic regulating valve on the inside of the check which regulates and fully controls the action of the check and the movement of the door at all times and under all conditions, entirely doing away with the small regulating screws. Once



OGDEN LIQUID DOOR CHECK AND SPRING.

put the check on the door and apply the spring power, and the actual work is done; the automatic regulator in the piston does the rest. Results are obtained that are entirely satisfactory; the door closes quickly, quietly and gently at all times; it is claimed if the wind blows forty miles an hour the regulator on the inside of the check closes proportionately, and the door is not affected in the least in the quickness of its travel; then when the wind is blowing against the closing of this door, the regulator remains wide open, thus giving the full benefit of the spring power to close it and not having to overcome the usual checking resistance as with the old style regulator. All the main working parts are made of the toughest steel, drop forged and case hardened.

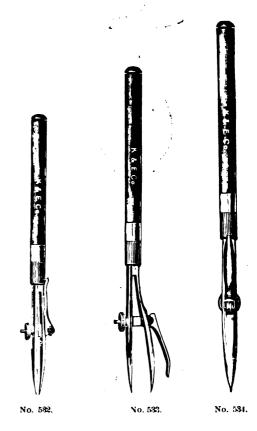


SECTIONAL VIEW.

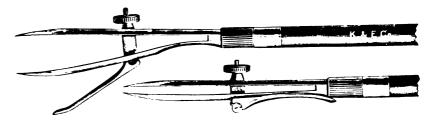
Every part is machined to a fit, and interchangeable throughout. A specially prepared non-freezing oil forms the liquid, in which all the working parts are immersed and revolve, when the check is in use, thereby assuring perfect lubrication and bringing the possibilities of wear to the smallest minimum. Another excellent feature, and one that deserves special mention, is the fact that the Ogden Check controls and checks the door during the entire swing. The appearance and simplicity of the Ogden Check shows a smooth, neat, plain cup, small, compact and powerful. A self-contained coil spring is used which is very easily removed from the case, being changed in a few minutes from right to left hand, or vice versa; simply remove the spring from the case, invert the spring and return it. The check contains the supply of liquid necessary to operate it.

Patent Paragon Drawing Pen.

Keuffel & Esser Co., 127 Fulton Street, New York, are placing before the Hardware and draughtsmen's supply trade the Patent Paragon Drawing Pen, illustrations of which we present herewith. This was recently patented, the design



being entirely new, and for the purposes specified, is claimed to possess the necessary qualifications to insure a wide distribution. In addition to the advantages possessed by pens of this description marketed by the same company, it has the advantage that it can be instantly opened for cleaning and



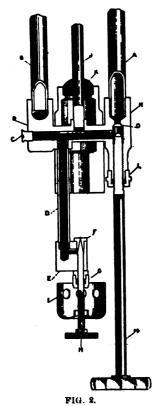
closed again without altering its original setting. It will be noticed the blades are widely separated by the spring in the upper blade, when the excenter on the angular shank of the adjusting screw is released. On re-applying it, the blades are brought to exactly their original position, and this is accomplished smoothly and without vibration. The adjusting screw is on the lower blade, which permits of changing the adjustment by simply applying one finger of the hand that may be holding the pen. They are made in three sizes: No. 532, 4½ inch ebony handle, list \$2.7 No. 533, 5 inch ebony handle, list \$2.20, and No. 534, 5½ inch ebony handle, list \$2.40. These pens are furnished with aluminum handle at an advance of 15 cents each.

Imperial Gas Lamp.

The Imperial Gas Lamp Co., 132-134 Lake Street, Chicago, are advertising an improved system of lighting stores, churches, halls, factories and even streets, parks, etc., with what is called the Imperial Lighting System for which they have patents pending, and which is claimed to produce a light equal to an electric arc at a very low cost. The indoor



light shown in connection herewith (Fig. 1) is claimed to be the outcome of many years of experiment, and is also claimed to be far superior to the electric arc, having a much softer, whiter and steadier light. The Imperial Burner used in connection therewith (Fig. 2), is referred to as possessing the smallest number of parts, having a generating chamber



a quarter inch in diameter, which is about four times the size of the ordinary generating chambers, making it practically impossible to clog. The generation is stated to be perfect whether the light is turned on full or low, as part of the generator is at all times in the centre of the flame. It possesses a needle point which regulates the supply of gas perfectly, and also cleans the small orifice of the gas passage, lessening any possibility of clogging, and insuring a good light at all times. In the system adopted by this company,

the gasoline is conveyed from a tank, an illustration of which is shown in Fig. 3, throughout the entire building through a flexible copper tube that can be put through crevices, around corners and concealed with the same facility as electric wires, and as many lights as may be desired can be supplied from the same tank. The tank may be in any convenient place, and it is claimed by the manufacturers there is absolutely no danger, as they are tested to 300 pounds pressure, while in use they are rarely subjected to a pressure exceeding



FIG. 8.

25 to 30 pounds. In the Imperial system common stove gasoline is burned, giving a 1,200 candle-power light at an expense of about ½ cent per hour. The lamps (see Fig. 4) are manufactured entirely of brass, every lamp being thoroughly tested before leaving factory. The lamps are trimmed complete, as shown in cuts, and complete instructions are sent as to installing and operating the system. The company manufacture especially for the Imperial Gas Lamp an extra strong and durable mantle, which they strongly recommend in connection with the use of their system, as the brilliance



of the light depends considerably upon the quality of the mantle, and economy in that direction would not make certain the best results in the system used.

"Why do you object to being shifted about?"

"Because," answered the New York policeman, "it impairs the efficiency of the force. No sooner do we learn whom it is safe to arrest than we are sent to some other part of the town, where we have to get acquainted all over again.—Es.

REVIEW OF THE MARKETS.

Wire Nails: The trade keeps up with an excellent demand for this important staple. The lower quotations understood as emanating from newly organized competing plants have so far had no effect in changing current quotations from the main source of supply. The American Steel and Wire Co. is reported as contemplating no immediate action, having this object in view, as they are still behind orders at the mills. Quotations are as follows: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers in carload lots	\$2.80
" less than carload lots	2.85
To retailers in carload lots	2.40
" less than carload lots	2.50

New York: The local Wire Nail market remains in same condition as noted in our previous report. The demand is a satisfactory one. Quotations are as follows:

Cut Nails: The usual demand for the season is noted in the Cut Nail market, which is enjoying a fair trade at unchanged prices for ordinary requirements. Quotations remain as follows: f. o. b. Pittsburgh, plus the actual freight to point of destination, terms 60 days, or 2 per cent. discount for cash in ten days:

New York: The local demand is steady and without material change, prices remaining as previously quoted:

Barb Wire: A heavy trade continues to be the feature of the Western demand for Barb Wire. The Eastern business gradually slackening is more moderate. Prices remain without change, quotations being as follows: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers in e	arload lots, Painted	\$2.60
- 44	" Galvanised	2.90
" 1	ess than carload lots. Painted	2.65
44	ess than carload lots, Painted " " " Galvanised	2.95
To retailers in	carload lots, Painted	2.70
	" "Galvanized	2.00
**	less than carload lots, Painted	
44	" " Galvanise	d. 8.10

Ellwood and Baker Wire is 5 cents and Washburn & Moen Glidden is 10 cents per 100 pounds higher than the prices above named.

Plais Wire: The mills have not yet caught up on their back orders, Plain Wire being in such steady demand for so many possible requirements. More or less competition with new plants is becoming evident, the influence of which has so far been unimportant. Quotations are without change, as follows: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

	Rase	sizes.
	Plain.	Galv.
To jobbers in carload lots	. \$2.25	\$2.65
To jobbers in carload lots less than carload lots	. 2.80	2.70
To retailers in carlots	. 2.85	2.75
" less then carload lots		2 85

The above prices are for the base numbers, 6 to 9. The other numbers of Plain and Galvanized Wire take the advances indicated in the following table:

Plain Fence W	lre Advan	1008	(Cato	h 1	Weights) Galv	anised.
6 to 9Base.						extra.
11		,,,,	·***:		40	
12 and 121/215	**	46	"		40	
18	44	44	" .		40	
14	44	**	** .		<u>4</u> 0	
15	44	44	".		75	
16			: :		1.75	
17	**	**	:: ·	• • •	1.00	44
18	•••	••	•		1.00	,

Wire Chain Lists: The Bridgeport Chain Co., Bridgeport, Conn., manufacturers of Triumph and Brown Chains, and the Oneida Community, Kenwood, N. Y., makers of Niagara and Eureka Chains, have adopted a uniform price-list for these brands of Wire Coil and Halter Chains. This list under date of September 16, is as follows:

Coll Chain, per 100 feet.	Halter Chains,	per dosen.
In packages of 100 feet.	414 feet.	6 feet.
6/0\$9.00	35.75	87.50
5/0	5.00	6.10
4/06.50	4.25	5.80
8/0 5.25	8.50	4.50
2/0	8.00	8.85
0	2.65	8.35
1 8.50	2.80	8.00
2	2.05	2.70
8 2.90	1.85	2.50
4	1.75	2.35
5	1.70	2.25
6	1.65	2.15
7 2.50	1.65	2.10

Carriage Boits, Machine Boits, Etc.: At a meeting of the manufacturers of this line of goods held recently, an advance of about 5 per cent. was made in prices. The new discounts determined upon are as follows:

Discou	
Common Carriage Bolts	. %
Machine Bolts with H. P. or C. P. Plain Nuts. 70 and 24	×
Machine Bolts with H. P. or C. P. Plain Nuts. 70 and 24 Machine Bolts with C. & T. Nuts 65 and 74	×
Machine Bolts without Nuts70 and 124	Ÿ
Machine Bolts, Blanks	. 7
Bolt Ends with H. P. or C. P. Plain Nuts70 and	Į Ç
Bolt Ends with C. & T. Nuts	
G. P. Coach Screws	
Cone Point Lag Screws	
Skein Screws	
Forged Set Screws and Tap Bolts) %
Plow Bolts and Guard Bolts	
Washer Head Coach Screws	5 %

Nats: At the meeting of the manufacturers of both Hot Pressed and Cold Punched Nuts, which was held October 15, the following revised quotations were adopted. They are subject to the usual concession on large lots:

Hot Punched Square Blank Nuts. 5.20 Hot Punched Hexagon Blank Nuts. 5.80 Hot Pressed Square Tapped Nuts. 5.00 Hot Pressed Hexagon Tapped Nuts. 5.60 Cold Punched Plain Blank Square Nuts. 5.30 Cold Punched Plain Blank Hexagon Nuts. 5.30 C. T. & R. Blank Square Nuts. 5.20 Cold Punched Plain Tapped Square Nuts. 4.80 Cold Punched Plain Tapped Hexagon Nuts. 5.10 C. T. & R. Tapped Square Nuts. 5.00 C. T. & R. Tapped Hexagon Nuts. 5.60		OIL	LIBL.
Hot Punched Hexagon Blank Nuts 5.80 Hot Pressed Square Tapped Nuts 5.00 Hot Pressed Hexagon Tapped Nuts 5.60 Cold Punched Plain Blank Square Nuts 5.30 C. T. & R. Blank Square Nuts 5.20 C. T. & R. Blank Hexagon Nuts 5.80 Cold Punched Plain Tapped Square Nuts 4.80 Cold Punched Plain Tapped Hexagon Nuts 5.10 C. T. & R. Tapped Square Nuts 5.00	Hot Punched Square Blank Nuts		5.20
Hot Pressed Hexagon Tapped Nuts 5.60 Cold Punched Plain Blank Square Nuts 5.00 Cold Punched Plain Blank Hexagon Nuts 5.80 C. T. & B. Blank Square Nuts 5.20 C. T. & R. Blank Hexagon Nuts 5.80 Cold Punched Plain Tapped Square Nuts 4.80 Cold Punched Plain Tapped Hexagon Nuts 5.10 C. T. & B. Tapped Square Nuts 5.00	Hot Punched Hexagon Blank Nuts		5.80
Cold Punched Plain Blank Square Nuts. 5.00 Cold Punched Plain Blank Hexagon Nuts. 5.30 C. T. & R. Blank Square Nuts. 5.20 C. T. & R. Blank Hexagon Nuts. 5.80 Cold Punched Plain Tapped Square Nuts. 4.80 Cold Punched Plain Tapped Hexagon Nuts 5.10 C. T. & R. Tapped Square Nuts. 5.00	Hot Pressed Square Tapped Nuts		5.00
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C. T. & R. Tapped Square Nuts 5.00 C. T. & R. Tapped Hexagon Nuts 5.60	Cold Punched Plain Tapped Hexagon Nuts		5.10
C. T. & R. Tanned Hexagon Nuts	C. T. & R. Tapped Square Nuts		5.00
C. Z. W D. Zupper House, and A. C.	C. T. & R. Tapped Hexagon Nuts		5.60

Cordage: The Cordage market is still in a condition of strength, Manila Rope showing advancing quotations over previous report. The following quotations represent the market:

Manila, 7-16 inch and larger Centa % inch 12 ½ inch and 5-16 13 Sisal, 7-16 inch and larger 9 ½ inch 9 ½ inch and 5-16 inch 10 Lath Yarn, medium and coarse 8 Jute Rope, No. 1 6	ъ.
Manila, 7-16 inch and larger 12 % inch 12 ½ % inch and 5-16 13 Sisal, 7-16 inch and larger 9 ½ % inch 9 ½ % inch 9 ½	
% inch	
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Sisal, 7-16 inch and larger	
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Lath Yarn, medium and coarse	v
Jute Rope, No. 1	Ź
dute mope, Mo. I	73

Lissecd Oil: The following quotations are the latest announced by the Dean Linseed Oil Co:

In lots of less than 5 barrels...... 66 cents per gallon. In lots of 5 barrels or more...... 65 cents per gallon.

The five-barrel price applies only to deliveries of that quantity at one time.

Boiled Linseed Oil, 2 cents per gallon higher than Raw. Calcutta Oil, 85 cents per gallon.

THE PHILADELPHIA TRADE.

Although it is somewhat between seasons, trade is keeping up in a satisfactory manner, and there is still much difficulty in getting some goods. Axes are at a premium, and there is great dissatisfaction on account of slow shipments—orders which were placed early last Spring being still unfilled.



The same is true of some other lines, and it will probably be some time before deliveries are fully caught up, as, owing to the recent steel strike, manufacturers are still experiencing delay in receiving supplies of material.

During the past week, Machine Bolts, Common Carriage Bolts and Coach Screws have been advancing—the factories claiming the advance absolutely necessary on account of the increased cost of material.

Rope is very much excited—the price advancing constantly, with the prospect of higher figures.

Owing to the mild October weather, the demand for cold weather and seasonable goods has scarcely started, but this may reasonably be expected to develop in a couple of weeks, and, with the present enormous purchasing power of the country, there is every indication there will be a large demand for such goods.

BIDDLE HARDWARE Co.

THE BALTIMORE TRADE.

Trade continues remarkably good, although the great rush is over, and we expect the demand will keep up until Christmas. Prices remain firm, but few changes noted, and these slight advances, barring a few items. Screws and Wire Nails appear to be, at present, on a competitive basis, with slight reduction so far.

The Shovel situation is interesting now and a good many buyers would like to know what Spring prices will be, and those favoring independent manufacturers will doubtless find themselves in the right boat. Collections are splendid.

H. W. WEBB & Sons.

THE PITTSBURGH TRADE.

October has so far been a model for good, seasonable weather and favorable business conditions. Everything conspires to make business good and it has proven equal to the conditions.

Manufacturers of sheet iron, tin plate and tubing are especially busy trying to catch up with orders accumulated during the strike in these mills, and all branches of the steel business are quite busy. The new competition coming on the market seems to find orders without much disturbance of prices, because of the active demand.

The Association of Manufacturers formed at Cleveland, which intends to meet at the same time as the Hardware Jobbers' Association each year, is an excellent move. It shows that they recognize the jobber as their natural and necessary ally in distributing new products, and that they desire closer relations with him.

The two associations can confer with each other upon matters which deeply concern both, more readily than with individuals, and we look for much good to come out of these conferences. The Hardware convention had a successful

meeting and is to be congratulated upon securing the services of R. A. Kirk, of Farwell, Ozmun, Kirk & Co., St. Paul, as president for the ensuing year.

LOGAN-GREGG HARDWARE Co. '

THE CLEVELAND TRADE.

The present condition of the Steel market is affected by the strike. The mills are busy completing orders taken early in the season, and jobbers, retailers and consumers are waiting. They are all urging delivery, and as the demand of another season is approaching, it is hardly possible that mills will complete old orders in time for this year's consumption. This condition will seem to insure lively demand for the first half of 1902.

In many lines of standard goods it is impossible for jobbers to fill orders, as manufacturers have been unable to get material and their orders have been accumulating. The prevalent feeling that goods are likely to decline is not justified by the stock of pig iron and billets, which are scarce and seem to be increasing in value. Increased competition in some lines has weakened prices where they have been abnormal. Prices on raw material indicate a very firm market.

The Hardware Convention closed its sessions and the members left with increased confidence in the value of trade organizations. New conditions of trade made new methods necessary and a consensus of opinion through organization has been of great value. The brightest and best thought is made the property of all and united action to cure defects is made possible.

The line between legal and ethical methods has always been recognized and emphasized; the interests of the manufacturer and retailer have been considered, and the Association has not asked for advantages for jobbers that infringe the rights of either.

Nineteen hundred and one has been a prosperous business year and every indication predicts a future that neither trusts nor anarchists can prevent. There is no surprise that Cuba is pleading for reciprocity, but the surprise is, that she fails to recognize the advantage of a full partnership with all our possibilities.

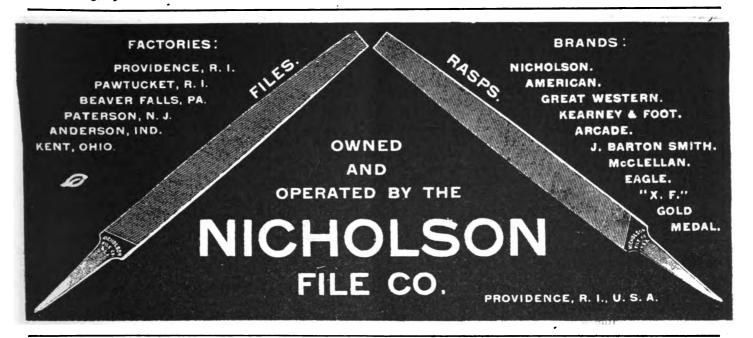
The Lockwood-Taylor Hardware Co.

THE COLUMBUS TRADE.

The weather is ideal now, and it is really too bad that any one has to stay indoors and attend to business; but such is the fate of us poor mortals who must toil for a living. Still, a worse fate would be prolonged idleness. If one could shut up shop when he felt like it, and go fishing or nutting or anything he was inclined to do and then go back and have business proceed as though no interruption had occurred, it would be very agreeable; but we all know that one must keep in the harness continually or nearly so, if he expects to succeed.

There is no cessation in the volume of business. Difficulty in getting goods promptly still continues, and we predict that in a great many lines there will be a shortage in 1902. The break in the price of scythes has stimulated trade on that line materially. Jobbers and retailers have cleaned up nearly everything they had in the shape of scythes, so the demand will be large for next season. The high price on scythes did one good thing at any rate, and that was to force dealers to look up everything they had in the shape of a scythe, whether they were unpopular styles, rusty or whatever condition, and sell them rather than buy new stock at the unreasonable prices that prevailed the past two years. The Shovel Association found outside competition too strong on some grades of shovels and reduced the price on the fourth grade hollow-back goods. If they would dispense with the services of some of their high salaried officers and cut off the dead head list, they could make a reduction all along the line and still realize more for their goods than they now do. Subsidizing a lot of factories is expensive, and it is well





known that a large number of factories that do not make a shovel, get the profit on their approximate out-put. Then add the handle factories that are also subsidized, and it is easy to see that the price they must add to shovels in addition to the legitimate cost is large. This is a big country with plenty of money, so when one factory is bought up, others spring up like mushrooms. The question is, what will be the outcome when the Association is dissolved and the market becomes an open one again? Some will have to shut up shop. Competition is sometimes disastrous, but as a rule the disruption of a combine is more so. If manufacturers would only be honest with each other, and when an agreement is made as to prices, keep them, there would be no need of combinations. All the expense of organizing and maintaining such an organization would be saved, the manufacturers would get a fair price for their product, and consumers would not be forced to pay the unnecessary expenses. It is on the principle of politics. Some promoters want jobs, and so they form trusts so offices can be created for their benefit. But the day of reckoning is sure to come as it has in the scythe and axe business. The first break has been made in the Shovel Trust and the end is in sight. Then some foolish things will be done, and after a season of famine and freeze out, they get together and overdo the thing again. Steady prices at a fair profit is better than bobbing up and down all the time. THE SMITH BROS. HARDWARE Co.

THE CHICAGO TRADE.

Our sales for the month of September, this year, not only exceeded those of the same month of last year, but our sales for the present month are greatly in excess of our most sanguine expectations. We look for a continuance of this fortunate state of affairs for some time to come, as we can see nothing in the horizon to alter it in any way. Orders for the whole line of Mechanics' Tools, as well as Builders' Hardware, have been very numerous and liberal, thus clearly showing the wonderful activity in the building line throughout the great Northwest. Reports on various conditions from all of our salesmen are of the most flattering nature, and are strongly backed up by the number of orders that they continue to pour in on us. Prices on everything all along the line remain very firm, which should be so, not only because of the scarcity that still exists of some of the more staple items, but on account of the continued advances of the various kinds of raw materials. While we have been successful in obtaining and shipping quite a lot of Plain and Barb Wire, also Sheet Steel, we are still experiencing some little trouble in getting enough from the mills to satisfy all

of our customers, who seem to insist to keep us loaded to the guards with orders for this class of goods. It has kept us quite busy to keep them all satisfied, yet, under the pressing conditions, think we have not only done fairly well, but entirely so. The great influx of orders is a good indication of the present healthy condition of the market, and to judge from appearances on all sides, a good fore-runner for months to come.

Wells & Nellegar Co.

THE DAVENPORT TRADE.

The rope market is excited, and prices are advancing rapidly. The Steel Goods Association seems to have quietly passed into history, and prices of these goods have declined accordingly.

Hardware trade in general has kept up remarkably well, but now the numerous small orders indicate a hand to mouth policy, which will doubtless prevail during the remainder of this Fall.

Continued warm and dry weather prevents large sales of Winter goods, and it is difficult getting orders for Cross Cut Saws. Axes or Skates.

Collections are improving.

SICKELS, PRESTON & NUTTING Co.

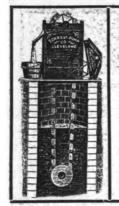
THE MINNEAPOLIS TRADE.

We have had an unusual amount of wet weather, which has been bad for threshing and flax cutting. There was enough clear, bright and suitable weather for threshing directly after the wheat harvest for those farmers who own their own threshing rig to get through. But a large part of the farmers depend upon men who make a business of going from farm to farm.

The farmers who stacked their grain during that good weather are safe, but quite a majority left it in the shocks at the time when they could have stacked, and waited to get the machine, and, of course, when wet weather came, they could neither thresh nor stack. In consequence, there will be a large amount of damaged wheat and off grades.

It is very unfortunate indeed after having raised a good, fair crop that this should happen, and naturally will have quite an effect on trade.

In spite of the conditions mentioned, we are glad to say they do not prevail all over the territory tributary to the "Twin Cities." Business is very good; everybody seems well satisfied as to volume. Jobbers are very busy, and the only complaint from retail trade is the fight that is going on here at this time, so that no one can get a margin of profit, particularly on Builders' Hardware. Ever since the writer has



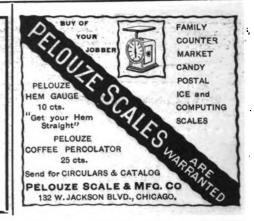
HAVE A DRINK!

OF COOL, PURE WATER FROM THE

TORRENT PURIFYING PUMP.

If you deal in pumps, why handle the same old-style slow kind that your competitor does? It would pay you to get something up-to date, which would please your customers and take the business . . . Write for new Catalogue.

THE TORRENT PUMP & FENCE CO., CLEVELAND, O., U. S. A.



been located here there has always been some trouble in this way, but it has never been quite so bad as it is now.

The Roberts Supply Co. business has been sold with the understanding that the business is to be continued, and we presume on the same line as heretofore. This, we think, is a misfortune, not only for the local dealers, but particularly for country dealers in all branches.

W. K. Morison & Co.

THE ST. PAUL TRADE.

Our conditions are favorable for a good trade, with the exception of the northern part of Minnesota and North Dakota, where there has been an unusual amount of rain which has hindered threshing and has caused some loss, as the farmers in that section have not made it a practice to stack grain but have threshed from the shock, and when we have a great deal of rain it is impossible to do the work in the usual way. We hope that repeated visitations of this kind will result in lessons causing permanent improvement in handling wheat.

Our orders are coming in very nicely. Prices are being well maintained, collections are coming in good amounts, with a prospect of having a fairly good clear up before next year.

C. W. HACKETT HARDWARE Co.

THE OMAHA TRADE.

General conditions prevailing are on the average satisfactory, and the volume of business maintains the high water mark that has characterized it for the entire year. A noticeable scarcity still exists in some lines, notably in black and planished sheets. Tin Plate and Galvanized Iron appear to be in fair supply. Prices ordinarily are well maintained, though some little weakness is noticeable in the Eastern markets on Nails and Wire, so far as the jobbers' prices are concerned. Business would be materially improved by a little

cold weather, which would create a considerable demand for season goods, which while having been in fair demand, have not reached the distribution that would result from a spell of seasonable weather.

Collections are up to the average and no complaint is heard in this line from either the jobbing or retail trade.

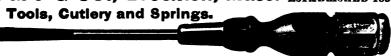
RECTOR & WILHELMY Co.

THE SAN FRANCISCO TRADE.

Peace reigns. But the fact that this week the Iron Workers' Union abandoned their "striking" attitude and returned to their work as formerly is regarded as having had little or no bearing on the more interesting fact that buoyancy of spirit in the Hardware trade in these midway days of October is strongly in evidence. And another thing plain to be seen is the spirit of growing fraternity and co-operation of interests. This is being shown, not only in the boom-like movement that is causing Oakland and San Francisco Hardware retailers to "fall in" and "line up" as association members of the local dealers' co-operative society for the promotion of mutual interests and brotherly feeling, but also in the broader field embracing the whole of California, and in the still more expansive territory including the entire Pacific coast. For example, note this:

At this month's meeting of the San Francisco and Oakland Retail Hardware Dealers' Association, held a few evenings ago, Henry Gracey, proprietor of two Hardware stores in this city, as secretary of the California State Retail Hardware Association, gave the local society an interesting talk to the effect that at a meeting of the Executive Committee of the State Association, held last week in Sacramento, a plan was formulated and an organization committee appointed to traverse the State in the interest of district association of page 38.)

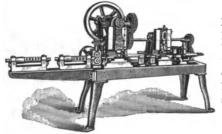
TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852



GOREWORIVERS OF ALL KINDS

SEND FOR CATALOGUE

Automatic Lingoe Machine



Producing lingoes at the rate of 60' per minute, flattening, rounding and punching the holes in the end thereof. The machine is applicable to a large variety of long pieces required to be indented, or different forms to be made, leaving the larger portion of the wire straight.

Write for Illustrated Catalogue.

THE F. B. SHUSTER CO., New Haven, Conn. Formerly John Adt & Son.



The B. Woodman Mig. & Supply Co. Manufacturer And Dealers in Mill Supplies.

Rallway and Mill Supplies.

Supplies.

Send for Outsing.

63 Oliver St., Boston, Mass., U. S. A.

"ORIGINAL
JENNINGS"
AUGERS and
AUGER BITS



Gendae have
"Russell Jennings"
stamped in full
on the Round of
each Bi;

FOR SALE BY ALL HARDWARE JOBBERS.
The Bassell Jennings Hig. Co., Doop River, Ct., U. S. A.



THE SUN NEVER SETS

on those using the

Welsbach HYDRO- Lamp



.. CHEAPEST AND BEST LIGHT KNOWN ...

Sunlight at less than the cost of a Candle

14 different patterns from \$4.75 (list) up

WRITE FOR ILLUSTRATED PRICE LIST AND TRADE DISCOUNTS

Welsbach Company

Home Office and Factory GLOUCESTER, N. J.

BALTIMORE CINCINNATI DETROIT BOSTON BUFFALO COLUMBUS

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CLEVELAND NEW YORK PHILADELPHIA ST. PAUL

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SAN FRANCISCO WASHINGTON

Chicago Office

THE PEERLESS LIGHTING SYSTEM.

The greatest lighting machine ever introduced. Will save over 80 per cent. of cost of lighting your place of business by electricity or as. 1000 candle-power light for one-half cent per hour. Absolutely safe. No smoke. or. Turns on and off at fixtures, same as coal gas.

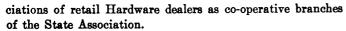


Make their own gas from 95 per cent. common, every day air which costs nothing and 5 per cent. gasoline at 10 cents per gallon. More brilliant than electricity and cheaper than candles. Every lamp guaranteed.

We also manufacture High Grade Roller Skates and Interchangeable Ball-Bearing, Rubber Tired, Steel Carriage Wheels, which fit any common axle.

We want live agents everywhere. Get our complete catalogue. Protection given all agents in territory allotted them.

RICHARDSON BALL BEARING SKATE CO., L. M. RICHARDSON, Pres., 156-158 Lake St., CHICAGO.



And again, in line with the local society's desire for the co-operation and good will of the wholesalers, based on the recognition that each have rights and equities which the other should respect, believing that thereby agreeable and profitable business would result to all, A. C. Rulofson, manager of the Hardware department of the wholesale house of Baker & Hamilton, was present in response to the society's invitation to Baker & Hamilton to have one of their representatives attend and address the association's meeting. A synoptical report of Mr. Rulofson's address, which was greatly appreciated by the retailers, appears on another page.

The co-operative movement on the part of the wholesale Hardware and Iron and Steel houses of the Pacific coast, rcported in this correspondence two weeks ago, is progressing. Since last report a well-attended meeting has been held at the Palace Hotel in this city, and although the expression of several wholesalers in the Puget Sound district was "furninst" the movement, on the plea of impracticability, the belief in the proposed pooling of interests on the part of the large majority was unshaken and another and focal meeting is expected soon to be called.

-INDUSTRIAL PRESS ASSOCIATION.

"Ye Olde Hardware Store."

The John E. Bassett & Co., proprietors of "Ye Olde Hardware Store," established in New Haven in 1784, supplement the celebration of "Old Yale" now under way, by publishing the following reminder:

On a page of an ancient ledger, used one hundred and seventeen years ago by our predecessors, appears the name of Reverend Ezra Stiles, at that time president of Yale College. Since Doctor Stiles' time our store has numbered among its patrons not only the presidents of Yale, but almost the entire faculty, while thousands of Yale alumni all over the world will remember the old Hardware store near State Street where they once bought their pocket knives and shaving things or were fitted to skates in the Winters of long ago. Few stores, if any, in this country can boast of so notable a patronage.

"Tempora mutantur et nos mutamur in illis," yet "Ye Olde Hardware Store" still numbers hundreds of Yale men among its valued customers. Although established over a century ago, our store has always been abreast of the times in catering to the increasing needs of the age, and we hope to merit in the future a continuance of the pleasant relations we have enjoyed with Old Yale in the past.

THE JOHN E. BASSETT & Co.

October, 1901.

A Bicycle Timepiece.

Alphonse Duhamel, of Paris, says an exchange, has made a timepiece that stands twelve feet high, and is composed entirely of bicycles or their component parts. The framework is a huge bicycle wheel, around which are arranged twelve ordinary sized wheels, all fitted with pneumatic tires. A rim within the large wheel bears the figures or the hours, the figures themselves being constructed of crank rods. The hands are made of steel tubing which is used for the framework of bicycles. The minute strokes on the dial are small nickel plated spokes. The top of the clock is an arrangement of twelve handlebars. The clock strikes the hours and the quarters, bicycle bells, of course, making the chimes. The pendulum is made of a bicycle wheel, and the pendulum rod of various parts of a bicycle frame. It is said that the clock. besides being a curiosity, is an excellent timepiece. It is to adorn one of the public buildings of Paris.

NEW BRITAIN, CONN., U.

Improved Carpenters' Tools.

SOLD BY ALL HARDWARE DEALERS.

The Model Stove Truck is out of sight when under a stove.



Is all steel, has only one adjustment, is practically indestructible.

We offer to take back and refund money if, after a month's trial, the Model is not satisfactory.

SEND FOR CIRCULAR AND PRICE.

The S. M. HOWES COMPANY, Boston, Mass.

Manufacture.





Owing to the Demand for a SKEW BACK SAW

of the superior quality and finish of our No. 18 we have placed on the market the No. 113.

HENRY DISSTON & SONS, Inc.,

Keystone Saw, File, Tool and Steel Works,

PHILADELPHIA, PENNA.

WINSLOW'S NEW SIDE ADJUSTMENT-SKATE

Which can be adjusted on the boot as the skater may desire. The runners have FLANGED BOTTOMS which make them light but strong.

We manufacture the largest assortment of Standard Lever Adjustment Skates for Men and Women.

Beautiful Hanging Signs illustrating our Ice Skates and Double Runner Skate will be sent to Dealers upon application.

Our 1901 Catalogue is completed and we will send it to any address.





The Samuel Winslow Skate Mfg. Co., Worcester, Mass.



BEHOOV

every wise Hardware dealer to advocate

IN

Because the customer who needs a lubricant,

Probably could use a furniture polish handily.

Probably could find plenty of uses for a cleaner and rust preventative also.

3 IN ONE is a combination of these three.

It is devoid of the first particle of grease and acids.

So it never injures clothing; never gathers dust or mixes gritty; never runs gummy; does not clog the most delicate mechanism.

It is a clear, clean, fragrant, perfect lubricant—a lubricant that annihilates friction to a degree never attained by any other oil known.

For furniture it is a polisher plus.

For furniture it is a polisher plus.

It instantly removes tarnishes, stains, dirt; it brings back the freshness and brilliancy of the original finish; it blends scratches and bruises; it leaves no

It also prevents rust on all metals.

It cleans fire-arms of powder scorching and all residue. It really cleans

everything.

Applied to saws, scythes, knives, any tools, nickel work—no rust or corrosion can live.

3 IN ONE is put up in a generous bottle.
It costs no more than your common, single-purpose, half-hearted oils.

How many more customers could you appeal to with a multi-purpose oil like this?

Never a man or woman enters your store but needs 3 IN ONE. Isn't it self-evident?

WRITE FOR OUR HANDSOME, NEW ILLUSTRATED CATALOG.

SOLD BY ALL JOBBERS.

G. W. GOLE COMPANY,

249 Washington Life Building,

NEW YORK.



are dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

Incorporations, New Stores, etc.

Arcadia, Fla.-The E. T. Smith Hardware-Furniture Co. has recently been formed with a capital of \$50,000. It will at once erect a three-story building facing Polk Avenue. The officers are R. C. Hendry, president; W. W. Langford, vice-president; E. T. Smith, general manager; J. F. Richards, assistant manager; Pearl Richards, secretary.

Beresford, S. D.—Mangan Hardware Co. has been incorporated with a capital of \$10,-000; incorporators, Jerome Mangan, Mark Correctionville, Ia., has purchased the Hard-V. Mangan and Henry I. Mangan.

Bowling Green, Ky.-W. H. Miller.

Edwards, N. Y .-- A. E. Kerr will start a Hardware store on or about November 1.

Fair Haven, Mass.—The Packard Hardware Co., of New Bedford, will occupy the enlarge its wholesale department at the store at 17 Centre Street with a line of general Hardware and building materials. R. A. Packard is the manager.

Grinnell, Ia.-G. E. Wetmore.

Hartford, Conn.—The Way Hardware Co., of this city, has filed articles of incorporation with the Secretary of State. corporation has a capital stock of \$20,000.

Hyde Park, Mass.-J. E. Farrell has opened his new Hardware store in Kennedy's Block, Hyde Park Avenue.

Perth Amboy, N. J.-Kelly & McAlinden Co. has been incorporated to deal in Hardware at 74 Smith Street. Capitalization, \$100,000; paid-up capital, \$50,000.

Pomona, Cal.—J. M. Booth.

Quincy, Ill.—Lagemann Hardware Co. has been incorporated; capital, \$7,000; wholesale and retail Hardware business. Incor- Barnum and hereafter the business will be \$1,500. porators, Herman L. Lagemann, F. A. Lagemann, Wilhelmina Lagemann.

St. Louis, Mo.—Articles of incorporation have been filed by the A. H. Cleary Plumbing and Hardware Co. The capital stock is \$3,000. M. J. Cleary has twenty-eight shares and A. H. Cleary and C. F. Bauer have one share each.

St. Paul, Minn.-J. F. McGuire, for the past fifteen years with the St. Paul Hardware Co., has opened a new store at 56 East Sixth Street under the firm name of J. F. McGuire & Co. Builders' Hardware, mechanics' tools and cutlery will be the stock in trade of the new store.

Tifton, Ga.—S. G. Slack, J. J. L. Phillips and A. B. Hollingsworth have made formal application for charter and ask to be incorporated under the firm name of S. G. Slack ness at the same stand. & Co., with a paid in capital of \$10,000, and privilege of increasing the same to \$50,000. The new firm will occupy one-half of the new building erected by Slack and Phillips and will do a wholesale and retail Hardware business.

roe Street.

Waterbury, Vt.-O. L. Ayers.

R. Thompson, Wm. U. Rese, W. R. Leon-the approval of the State Comptroller. ard and C. F. Wilkins. Reeds, Mo.—Terrant & McGowan. I

Changes and Improvements.

Atlanta, Ga.-The Anderson Hardware Co. have completed the new additions and improvements in their store at the corner of Peachtree and Edgewood Avenue.

Bainbridge, N. Y.—Jesse Whitman has purchased the Hardware and plumbing business of Pliny K. Schofield and has taken possession.

Chamberlain, S. D.-T. A. Metcalf, of ware and implement business of M. C. Pease.

Des Moines, Ia.—The Brown-Hurley Hardware Co., successors to J. D. Seeberger, will give up the retail business and earliest possible date. A big warehouse will be secured on the line of one of the railroads. The retail store at Fifth and Court Avenue will be operated for some time, however.

Durand, Ill.—A. H. Moore has sold out The his interest in the Hardware business of Barloga & Moore.

Dwight, Ill.—Amos Grundler has bought Wm. Neville's interest in the Hardware store and the firm will now be known as Gibbons & Grundler.

Findlay, O.-P. Kunz & Son are now selling out their stock of Hardware and will discontinue business after a successful Loss, \$60. career covering a period of many years.

Geneva, O.-W. H. King has purchased the entire Hardware store of Charles E. conducted alone by Mr. King.

Hammond, N. Y.-E. B. Taylor has purchased a Hardware store in Philadelphia,

Kansas City, Mo.—Articles increasing the \$5,000; insurance, \$3,000. capital stock of the Richards & Conover Hardware Co. from one-quarter million dollars to one-half million dollars, have been filed with the recorder of deeds. The stockholders are: John F. Richards, George B. Richards, John Conover, Walter B. Richards, A. L. Ruhl.

Keene, N. H.-The Spencer Hardware Main and Church Streets.

Keithsburg, Ill.-T. A. Nicholson, of Gibbs, Mo., has purchased the Mulford Hardware stock and will conduct the busi-

Newbern, N. C.—The Hardware business of P. M. Draney has moved from the former stand on South Front Street, to the second building below Hotel Chattawka, on South Front Street.

Old Orchard, Me.-Judge E. M. Yates Toledo, O.—Clyde Richardson, 412 Mon- has bought the Hardware business of J. W. sets at \$12,000.

Oswego, N. Y.—By unanimous consent of the Reynolds Hardware Co.

Youngstown, O.—The Wilkins-Leonard the stockholders of the Oswego Hardware Hardware Co. has been incorporated with Co., the capital stock of the concern has \$50,000 capital stock by George Tod, Jr., E. been reduced from \$50,000 to \$25,000, with

> Reeds, Mo.—Terrant & McGowan, Hardware merchants, have sold to C. B. Hood.

Richford, Vt.—The firm of Holt & Clark, Hardware, has been dissolved on account of the ill health of Mr. Holt, who is succeeded by Henry Clark, of Burlington, a brother of the junior partner.

St. Johnsbury, Vt.-C. H. Goss has purchased the Hardware store now occupied by George K. Swett and will take possession at once.

San Jose, Ill.-E. M. Thomas has purchased a half interest in J. W. Morrison's Hardware store.

Shell Rock, Ia.-Will Stanley has purchased the interest of Lew Harmon in the Hardware business and in the future will conduct the business alone.

Valatie, N. Y.—N. P. Wild has purchased the stock and good will of the Hardware business conducted by the late Daniel Palmer.

Yates City, Ill.-F. H. Chamberlain has added a stock of Hardware.

Recent Fires.

Beardstown, Ill.-Wm. Frey. Braddyville, Ia.—Fine & Maxwell.

Braddyville, Ia.-Holton & Gray. Loss, \$14,000; insurance, \$9,400.

Biloxi, Miss.—Biloxi Hardware Co. Camden, N. J.-Klosterman Bros.

Carbondale, Ill.—John Stoelz & Bro.

Charlotte, N. C .- Charlotte Hardware Co. Pistols, etc.

Cohocton, N. Y.-Smith & Barnell. Loss,

Hebron, O.—Amos Atwood. Loss, \$5,000. Junction City, Ark.—Union Hardware Co. Loss, \$4,000.

Kahoka, Mo.-Woodruff Bros. Loss,

Lebanon, Pa.-C. Oscar Bressler & Co. Malden, Mass.-A. A. West.

Recent Embarrassments.

Brockton, Mass.-Clifton E. Harris, Hardware, has assigned. Liabilities \$4,349.93, assets \$2,908.13.

Casey, Ia.-R. H. & H. R. Marshall, retail Co. have removed to their new store, corner Hardware dealers, have made an assignment for the benefit of their creditors. F. Stein is named as assignee.

> Charleston, Ill. - Ginther & Son have been forced to make an assignment for the benefit of their creditors.

Elwood, Ind.-Hoffman & Vawter.

Junction City, Kan.—John Davidson & Son, Hardware mechants, have filed a voluntary petition in bankruptcy with the clerk of the United States District Court. The liabilities are given at \$17,000, and as-

Memphis, Mich.—A receiver is asked for



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You may be sure

hey are the best made. CARRIAGE VARNISHES. RAILWAY VARNISHES. PIANO VARNISHES.

WOOD FINISHES

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YOU TO DROP US A LINE.



The Only Bicycle Seat made that is Absolutely Comfortable and Durable.

In the "Rider" Saddle we have all the objectionable features eliminated. Its unique features are its upholstered seat and adjustable nose.



e is Adjustable, Soft;and Flexible, Hence impossible to hurt or injure.

THE PRICE WILL SURPRISE YOU. Ask about it.

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RIDER SADDLE CO.

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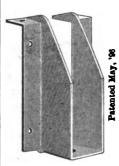
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NATIONAL STEEL JOIST HANGER, FOR WOOD HEADER AND BRICK WALLS.

THE NATIONAL IRON & WIRE CO.,

Structural and Builders' Iron Work.

Sole Makers, CLEVELAND, O.

CHANOLER & BARBER, F. B. HAWKINS CO., PALAGE HARDWARE CO., New England Agents, Boston, Mass.

New York Agents, New York, N. Y.

Pacific Coast Agenta, San Francisco, Cal.



STANDARD OF THE WORLD.—Awarded 12 Medals for PORTABIL-TY, ENCURITY and GENERAL ADAPTATION for purposes intended.

Endorsed by fire underwriters everywhere. Reduces rate of insurance.

rate of insurance.

Used exclusively U. S. Life Saving Service, Railroads, Mines, Hospitals, Institutions, Banks, Breweries, Express Companies, Refineries, Hotels, Residences, Factories, Stores, etc. Compels the watchman to make systematic visits to every part of your property, and records his exact whereabouts during the entire night.

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Using only *High Grades* of Steel manipulated by the most approved methods and machinery, and by skillful workmen, we stand pledged to a high standard of excellence in all our various products.

Ask for catalogue and prices—they are interesting.

THE WILLOUGHBY FORK & MFG. CO.

Willoughby, Ohio.



HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers over the country, are requested to contribute to this page. News of new factories or companies, change improvements, etc., will be gladly received, and promptly published.

New Incorporations, Etc.

Appleton, Wis.-Appleton is to have another wire works plant, which will make three in all. The new one will be known as the Fox River Wire Works. L. H. Eisner is the proprietor.

Buffalo, N. Y .- The Niagara Machine and Tool Works has been incorporated. The capital stock is \$200,000 and the directors are Julius W. Georger, Adam E. Heinz, Otto J. Lautz, George A. Lautz and George R. Munschauer, of Buffalo. The new company is a reorganization to readjust the interests of T. Adam Lautz, whose death occurred recently. Mr. Lautz was a stockholder and director.

Chicago, Ill.—Allith Mfg. Co. has been incorporated; capital, \$25,000; manufacturing Hardware specialties. Incorporators: Andrew Allen, H. C. Smith, Ed. A. Biggs.

Chicago, Ill.—Cleveland Mfg Co. has been incorporated; capital, \$25,000; manufacturing machinery and tools. Incorporators: R. L. Cleveland, W. S. Harris, R. F. Har-

Chicago, Ill.-Madison Hardware Co. has been incorporated; capital, \$2,500; manufacturing and deal in stoves, Hardware, etc. Incorporators, C. E. Coats, W. H. Lower, A. E. Post.

Chicago, Ill.—Sheer Cut Shear Co. has been incorporated; capital, \$2,500; dealing in and manufacturing shears, scissors and cutlery. Incorporators, Frank White, Harold F. White, Albert F. Brown.

Cleveland, O .- The Angell Wire Nail Machine Co. has been incorporated, with a capital stock of \$10,000. Incorporators are B. A. Tracey, A. C. Whitehead, C. L. Denton, N. T. Horr and A. R. Horr.

Cleveland, O.—The Empire Brass Mfg. Co. has been incorporated with \$20,000 capital stock by Frank Nohius, Vora M. Wellman, Geo. W. Nohius, Samuel O. G. Morris and E. C. Kelly.

Detroit, Mich.—The American Vapor Stove Co. has been incorporated with a paid-in capital of \$100,000, and will engage in manufacturing in this city. The incorporators are E. G. Mummery, W. J. Best, W. G. Hastie, W. E. Metcalf.

Newark, N. J.—The Ohio Steel and Iron Specialty Co. have had articles of incorporation placed on record. It will buy, sell and deal in steel and manufacture hollow and solid staybolts. The authorized capital is \$75,000. The incorporators are Cleveland V. Childs, James P. Mapletoft and H. N. Smith.

New York, N. Y.—Murphy Churn Mfg. Co. has been incorporated to deal in woodenware, tinware, etc. Capital, \$100,000, and directors: Ida M. Murphy, Honoria Mur-City.

steam, hot water and hot air heating, plumbing and all its branches, gas fitting and tinning. Capital stock is \$125,000. Stockholders, J. Hardy Kugler, Paul W. Ryder, Edward S. Chambless.

Philadelphia, Pa.—Pure Air Stove Co. has been incorporated; capital, \$20,000.

Rome. Ga.—The Hanks Stove Mfg Co. has organized with a capital of \$12,000. The stockholders are J. D. Hanks, W. W. Smith and M. Z. Whitehead, of Rome; A. P. Free, of Atlanta; A. R. Rodgers and Edward Brown, of Fort Payne.

Shelby, O.—The Shelby Stove Co., chartered under the laws of West Virginia, with a capital stock of \$70,000, has begun business in this city. It has absorbed the Shelby Stove Co., of Ohio, and will make gasoline and gas stoves.

Springfield, O.—The United States Tool-Holder Co. has been incorporated with \$15,000 capital stock by J. M. Norman, L. C. Norman, M. L. Milligan, S. A. Young and Pearl Young.

Troy, N. Y .- The Planters' Hoe Co. of this city has been incorporated with the Secretary of State to manufacture hoes, spades, shovels and sheet and heavy Hardware. The capital stock is \$25,000, and the directors are: Sayre McLeod and Esek Bussey, Jr., of Troy, and Charles M. Macy, of Hudson. The company will begin business with \$10,000 capital paid in.

Winona, Minn.—Articles of incorporation of the New Winona Manufacturing Co. have been filed with the register of deeds. The business of the company is the manufacture of agricultural implements. The capital stock is fixed at \$100,000 and is fully paid in. The incorporators are A. B. Youmans, Harry S. Youmans and C. N. McLaughlin.

Changes and Improvements.

Bristol, Conn.—The Horton Mfg. Co., of this place, makers of the famous steel fishing rods, have increased their capital stock by \$25,000.

Cameron, W. Va.—Ground has been broken for the addition to the Cameron Tool Co.'s works in the West End.

Chattanooga, Tenn.—The Chattanooga Stove Co. is having estimates drawn for the erection of a large addition to their plant on Catherine Street, and for a number of other improvements, extensions and betterments.

Marietta, O.-The A. T. Nye & Son Co. have completed plans for a fine addition to their manufacturing works. The new building will be three stories high, 120 feet long and 40 feet wide. The first floor will be used for a mounting shop; second floor will contain a fine suit of offices and maphy and W. M. Seabury, of New York chine rooms; the third floor will be used as a ware-room. The building will be en-

Paterson, N. J.-Eastern Acetylene Gas tirely of brick and will be supplied with the Co. has been incorporated. Principal office best modern improvements. The company is at 30 Close Street. Person in charge will equip the building with machinery thereof is S. F. Holden. Objects are to adapted to making a line of goods the manmanufacture and sell acetylene gas burners, ufacture of which they have not been enlamps, stoves and all accessories of any gaged in before. They have been engaged in the manufacture of stoves and ranges for many years.

Southington, Conn.—The Acme Mfg. Co. have rented the building recently vacated by the Beaton and Bradley Co., and will locate their shop there. The building will be fitted up with machinery and an increase will be made in the business. The company has been occupying a small building on Summer Street, but on account of the increase of business has been obliged to seek larger quarters. The company manufactures wrenches and small Hardware.

Recent Fires.

Hannibal, Mo.-The plant of the Duffy-Trowbridge Stove Mfg. Co. has been damaged by fire to the extent of \$15,000.

Joliet, Ill-The Joliet Stove Works nar-The rowly escaped destruction recently. nickel plating department, where the blaze started, together with the punching-room and pattern-room, were destroyed, with the machinery and contents. The loss is estimated at \$30,000 or \$40,000.

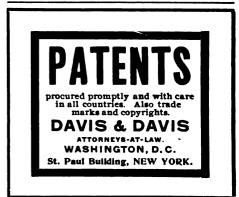
New Alexandria, Va.-Fire has completely destroyed the two-story brick factory building of the Carson Spoke and Handle Co. The estimated loss is \$50,000, which is only partly covered by insurance. The origin of the fire is unknown.

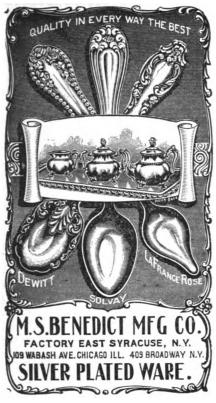
Texarkana, Tex.-The Texarkana handle factory, situated on Rose Hill, has been burned, together with stock. Loss, \$7,000 to \$8,000. Insured for \$4,300.

Embarrassments.

Columbus, O.—The Buckeye Saw Mfg. Co., operating at 285 Water Street, have made an assignment for the benefit of the creditors to E. W. McCormick and J. F. Haves.

Lowell, Mass.—The Fifield Tool Co., which has assigned to William C. Doherty and Roswell M. Boutwell, as trustees, took the step for the benefit of their creditors; their entire plant, including all books of accounts, all plans, leases, unfinished machinery, in fact, everything tangible or intangible, connected with the property, is included in the assignment.







TABOR STOP MOTION COUNTER.

You don't have to hunt for centre in shaft and then for your watch while balancing on a ladder.



The Tabor Revolution Counter. Elizabeth, N. J.

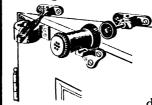
SOMETHING NEW 'STANDARD" BALL-BEARING PHILADELPHIA CASTERS.

312-326 East 23d St., New York.





Eclipse time again



and you will have calls for this old reliable noiseless door closer.

Sargent's Eclipse Door Check and Spring stands the test of time and use, it closes doors quickly, prevents all slamming, is easy to apply and easy to keep in order. The Eclipse is a profitable article for dealers to sell to churches, schools, hotels, stores, public buildings and dwellings; now is the time to do it. Better order today so as to be ready for the first calls.

Mince-pie time



is here and every woman who makes that great American dessert should have Sargent's Gem Food Chopper. It is a great kitchen conveni-

ence at all seasons and is useful in the preparation of the substantials as well as the desserts. It is the best Food Chopper made and has steel cutters that cannot break. It is a good article for a hardwareman to push-every housekeeper is a possible customerand there is a good profit for the dealer.

SARGENT & COMPANY, Manufacturers,

New Haven, Conn.

New York.

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WALK CLEANING TOOLS.



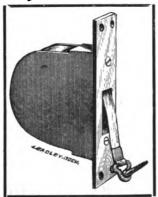
Best Tools Made For Clearing Snow and Ice.

Walk and Street Scrapers.



THE IOWA FARMING TOOL CO.,

IUST A LITTLE HIGHER



In price, but so much

HIGHER IN QUALITY

that the great majority of dealers prefer to sell

CALDWELL ... SASH BALANCES

They can recommend them with clear conscience. Write for catalog.

Caldwell Mfg.

4 JONES ST., ROCHESTER, N. Y.



No. 20 EAGLE STEEL FRAME, NICKEL PLATED.



BICYCLE AND SPORTING GOODS RECORD.

Bicycle manufacturers and dealers, country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Davenport, la.-W. J. Pugh and George Bofinger will soon open up an automobile and bicycle repair shop at 318 West Third Street. A shop for the repairing of automobiles is a new thing for Davenport, but the increased number of automobiles has made it a necessity.

Daytona, Fla.-W. W. Austin has opened a new store.

El Paso, Tex.—The Shelton-Payne Arms Co. has been incorporated. Capital stock, \$20,000. Incorporated by W. H. Shelton, D. M. Payne and W. S. McCutcheon.

Jersey City, N. J.—The Stein Double Cushion Tire Co. has been incorporated with \$100,000 capital to manufacture tires. The incorporators are K. K. McLaren, Evan J. Dudley and H. S. Gould, all of Jersey City.

Schenectady, N. Y.—The property at 112 ers, who will, on the first of November, open the store as a bicycle repair shop.

Sheboygan, Wis.—Articles of incorporation have been filed with Register of Deeds the sales department to New York. Walvoord by the Fairweather-Weigand Co., the incorporators being Samuel Fairweather. Paul Weigand and Samuel J. Fairweather. dition of an up-to-date sporting goods de-They will conduct the sale of bicycle and sporting goods on a large scale.

Tuckahoe, N. Y.-Herman Mester has opened a new store.

Changes and Improvements.

Barnesville, O.—The bicycle repair firm of Jones & O'Donnell have dissolved partnership.

Boston, Mass.-One of the most important business transactions which have recently been made in Boston is the purchase by the Raymond syndicate of the entire stock and fixtures of Appleton & Bassett, of 304 Washington Street. The stock is valued at \$24,000 and includes some of the finest imported cutlery, fishing tackle, golf paraphernalia, etc., to be found in the market.

Bridgeport, Conn.—The H. Wales Lines Co., of Meriden, has just received the contract for the mason work in connection with the extensive addition which is to be made to the plant of the Union Metallic ket street the first of March next, where W. I. Taber secretary and treasurer.

high, also a building 50 feet by 127 feet, one the interval. story high, and another 28 feet by 72 feet, be of pressed brick and built in the most shop on North Avenue. solid manner possible.

Buffalo, N. Y.—The Auto-Bi Co., which have bought out T.J. Emery. has taken over the motor bicycle business porarily at least, occupy quarters in the been prominently identified with the Auto- Co. Bi, will manage the new company and have associated with him George W. Sherman George has removed to Hollis Street. and E. J. Edmond. The Thomas Co. will hereafter confine itself exclusively to motors.

Co. have begun the erection of a new plant for the manufacture of primers.

closed his store, but will continue repairing business at his home.

Hartford, Conn.-Joseph M. Birmingham Clinton Street has been sold to G. N. Rog- has been appointed manager and superintendent of the Columbia branch of the has sold its business to a stock company that American Bicycle Co., and he will have full has been formed there. charge of the factory upon the removal of

> Leavenworth, Kan.-T. T. Rayburn, Hardware merchant, has just completed the adpartment, which he will conduct in the fu-

> Nashua, N. H.-F. A. McMaster & Co. have removed to Water and Main Streets.

> New Haven, Conn.-Work has been started on an addition to the plant of the Marlin Fire Arms Co. on Willow Street. It will be three stories high. The material used in its construction will be brick, heavy mill construction, with gravel roof.

> New York, N. Y.—The retail store of the Stratton Motor Bicycle Co. has been closed after a brief existence.

> Oakland, N. J.-The work of rebuilding the wrecked powder mills at Oakland caused by the fatal explosion of September 12, at the American E. C. Schultz Powder Co.'s works, is progressing rapidly.

> Paterson, N. J.-Edward A. Browne, the bicycle dealer, owing to his lease running out at 403 Main Street, has decided to temporarily withdraw from business. He will open a large and up-to-date store on Mar-

Cartridge Co. One building is to be fifty- he will have better facilities. He has an two feet by 100 feet and three stories high office at 390 Main Street at present, where with a wing 66 feet by 100 feet, one story he will conduct any business desired during

Plainfield, N. J.-Nelson Van Winkle has one story high. All these buildings are to now taken possession of his new bicycle

Red Bank, N. J.-Merigold & Chandler

St. Albans, Vt.—The Mayhew & Wild Co. of the E. R. Thomas Motor Co., will, tem- has been dissolved. M. M. Wild retires and W. E. Mayhew continues the business un-Thomas factory. E. L. Ferguson, who has der the name of The Swanton Cycle Fittings

South Framingham, Mass.-W. H. St.

Syracuse, N. Y.—It is announced that the Frazer & Jones Co. will next year abandon the manufacture of bicycles, believing that East Alton, Ill.—The Western Cartridge the space in the plant can be utilized to better advantage for other purposes.

Toledo, O.-A large audition is being East Douglas, Mass.-W. B. Fairfield has built to the office of the American Bicycle Co. to accommodate the increased demand made upon the company.

Wilmington, Del.—A. McDaniel, closed. Youngstown, O.—The Mahoning Gun Co.

Embarrassments.

Cleveland, O.-A deed of assignment has been filed by the Cleveland Distributing Co. in Insolvency Court. The company is located at 288 Bank Street and dealt in bicycle and automobile supplies. C. F. Eberhardt is its president. The liabilities are \$2,000 and the assets \$3,000.

Columbus, O.-Miss Hester A. Getz, dealer in kodak supplies on State Street, has filed a debtor's petition of bankruptcy in United States Court. Assets were \$6,-984.41.

Springfield, Mass.-Adolph G. Gruendler has filed a petition in bankruptcy, with \$1,970.58 liabilities and \$295 assets.

Recent Fires.

Chicago, Ill.-Egan Cycle Co., 861 Milwaukee Avenue, loss \$500.

Gresham, Ore.—Paul Fisher. Loss, \$25; no insurance.

Niagara Falls, N. Y.—Wentworth & Doty. burned out.

Miscellaneous.

Herkimer, N. Y.-At a meeting of the Atlas Gun Co., G. W. Warren was elected president, H. G. Munger vice-president and

HARDWARE MANUFACTURERS RECORD. Continued.

Changes and Improvements.

name of the new organization succeeding will manufacture gas and gasoline engines, the Albion Wind Mill and Implement Co. follows: President, I. L. Sibley; vice-presi- Cook Cutlery Co. dent and manager, J. H. Cook; secretary

L. Sibley, H. M. Dearing, M. D. Weeks, J. will engage in the manufacture of plows on Albion, Mich.—The Cook Mfg. Co. is the H. Cook and P. M. Dearing. The company a much larger scale than before. wind mills, a complete line of feed grinders,

and treasurer, P. H. Dearing; directors, I. works is preparing to enlarge its plant and for the site was \$12,500.

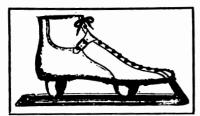
Omaha, Neb.—The Great Western Stove Works Co., which recently purchased a The re-organization has just been completed tanks and pumps, and also a line of special- site on Harney Street for a new plant, is and the new company will be officered as ties that was formerly manufactured by the figuring on a building five stories and a basement, instead of two stories. Plans Galesburg, Ill.—The Brown corn planter will soon be decided upon. The price paid



FISHER TUBE SKATE

The Latest and Best for Racing and Hockey. .

As great an improvement in skates as the pneumatic tire in bicycles.



HOCKEY MODEL.

VERY LIGHT, STRONG ≱ FAST.

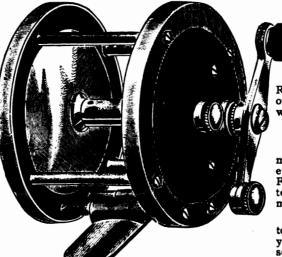
Patented in U.S. and Canada.

MADE BY

THE CROSBY CO.,

BUFFALO. N. Y.

FISHING REELS.



We are now manufacturing a com-plete line including all the popular atyles and sizes:

Brass, Nickel, German Silver and
Rubber, suitable for all kinds

of fishing, either salt or fresh water.

40, 60, 80, 100, 150, 200, 250, 300, 350 Yards.

The foreman of this department has had 25 years experi-ence in the manufacture of Fishing Reels, and we guaran-tee our goods the finest in the

Prompt Shipmcats. Be sure to get our prices before placing your orders for the coming sea-

THE ENTERPRISE MANUFACTURING CO.,

Largest Manufacturers of Fishing Tackle in the United States, AKRON, OHIO.

SUPERIOR FENCE RATCHET.



Two Important Points:
, Jaw shaped dog, locking either side up.
, Applied in body of fence
without cutting wires.
ree sample and epecial
prices on application. Superior Fency Machine Co...

184 Grand River Ave.,

Detroit, Mich.

T is consecutive, continuous, persistent efforts that win in advertising as in all other affairs of business. The twelfth advertisement carries part of the weight of each of the preceding eleven, and the twentieth is worth ten times the first. The first is simply an introduction, and few people remember an introduction unless subsequent meetings serve to impress it Friendship upon them. ripens slowly. This is true in social life, in business and in advertising.-American Poultry Journal.

GREAT UTILITY--LITTLE COST



SHELLS 8 BUSHELS PER HOUR, PUTTING THE CORN IN BOX OR BAG WITH COBS OUTSIDE.

Weight 13 Pounds.

Liberal Discount to Dealers.

J. W. DUNHAM & SON, BEREA, O.

The Repeating WARRIOR AIR RIFLE.



A NEW GUN.

METAL PARTS STEEL-INTERCHANGEABLE.

WALNUT STOCK, FINELY FINISHED. IT'S A PERFECT GUN AND AN EASY SELLER.

MADE RY

Northville, Mich. J. A. DUBUAR MFG. CO.,

Columbian 1000-Shot Air Rifle.

CHAMPION MODEL

This Air Rifle possesses advantages over all the Air Rifles now on the market. The materials used in its construction are the best. The appearance and workmanship is far ahead of any other Air Rifle made. It has an adjustable sight it shoots stronger and more accurate, less liable than any other to get out of order, all parts are interchangeable. We think we have the right to claim this as the "Champion" of all Air Rifles. List, per doz., Rasmeled, \$20.00; Full Nickel, \$42.00.

— Write for Discounts to Trade.

WM. G. SMITH & CO., Min.,

1429 North 21st St., PHILADELPHIA, PA., U. S. A.



ROBERT MURRAY. 24 Duane St., New York City.

General Hardware

Agent for Atlantic Screw Works. Wood Screws of Every Description. Agent for Maynard's Socket Shovels







Now in our new plant with greatly in creased capacity. We manufacture everything in Files.







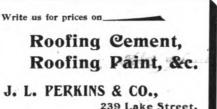
W. J. ADAM,



Decided improvement. Less friction. Can be hanged from a roller to a three-wheel cutter. xtra wheels in the handle. Send for catalog. TRIMONT MFG. CO., Roxbury, Mass., U.S.A.

TRIMO PIPE CUTTER





CHICAGO.



facturers of Tools for regular deliveries for Cash. Apply E. NEWBORGH & CO.,

46 Southampton Buildings, London, W. C.

Hardwaremen's Exchange.

Notices of HELP WANTED or SITUATIONS WANTED will be inserted in this column free of charge. Should not exceed Four Lines.

ALL OTHER NOTICES, twenty-five cents per line.

Situations Wanted.

POOKKEEPING AND GENERAL OFFICE WORK .- Young man, with a thorough knowledge of French and German, and English as well, thoroughly acquainted with foreign trade, bookkeeping and general office work, six years' experience in machinery and Hardware business in France and Germany, desires position. Address M. E. S., care HARDWARE, 275 Broadway, New York.

BUYER, MANAGER OR SALESMAN.—A gentleman of \$8 with a creditable business career of 20 years in Hardware, House Furnishing, Paints, etc., seeks position. Address S. F., care HARDWARE, 275 Broadway, New York.

ENGINEERING SALESMAN wants to make connection with AI house, and travel in New York City and State; has good circle of acquaintances and will work for reasonable terms while developing business; good references. Address E. L. I., care HARDWARE, 275 Broadway, New York.

EXPERIENCED BOOKKEEPER is open for engagement. Has knowledge of general office work; also Hardware and Gas business. Address BOOKKEEPER, 55 Dupont Place. Johnstown, Pa. 190

EXPERIENCED ENGINEER and estimator in machinery, steam heating and general iron work, and having acquaintance with architects and builders of Greater New York, would like to take position with concern doing structural steel building work, doing outside work, soliciting, superintending, etc., to get more perfect knowledge of estimating, etc. Good references. Small salary only expected at start. Address D. EDWARDS, 441 W. 51st Street, New York.

EXPERIENCED HARDWARE CLERK.—Young man 27 years of age desires position with Hardware firm. Twelve years experience as clerk and salesman, both retail and wholesale. Salary moderate. Address H. T. B, care HARDWARE, 275 Broadway, New York.

Help Wanted.

ENTRY CLERK.—Good man for billing, who has had experience in this line, and knows the pump and pipe business. Address The Goulds Mfg. Co., Seneca Falls, N. Y.

FACTORY SALESMAN.—Experienced factory salesman acquainted with Hardware jobbing trade. Must be first class. State references when applying. Address The Admiral Lamp Co., Marysville,

Situations Wanted.

A FIRST-CLASS ACCOUNTANT, book-keeper and cashier, understanding office work in every particular, desires to connect himself with some house, where integrity and strict attention to business would meet with fair compensation. Address P. P. P., care HARDWARE, 275 Broadway, New York.

BLACKSMITHING.—Young man, 19, would like to learn black-smithing. Address James White, 159 Chrystie Street, New York.

DOOKKEEPER AND SIGN WRITER.—Man, 32 years of age, with nine years' practical experience in retail Hardware as clerk and buyer, At double entry bookkeeper and sign writer, wants like position. First class reference. Address S., care HARDWARE, 275 Broadway, New York.



Situations Wanted.

FACTORY SUPERINTENDENT.—A position as superintendent by a young man with a long experience and up-to date methods for manufacturing Hardware, wire and sheet metal novelties; can also design tools and dies. Address "H," care HARDWARE, 275 Broadway, New York.

FACTORY TRAVELER.—Experienced factory traveler, with wide acquaintance among all classes of buyers, desires position. Highest trade references; also former employers. Address H. C., care HARDWARE, 275 Broadway. New York.

FOREMAN.—Experienced in stock, packing and shipping departments of manufacturing concern. Can give good references.

Address F. P. R., care HARDWARE, 275 Broadway, N. Y. 235

FOREMAN OR TIMEKEEPER.—Situation wanted by a man (32) as foreman or timekeeper. A hustler; can handle any kind of help; thoroughly posted on piece work system; 12 years' reference from last place. Address J. H. L., care HARDWARE, 275 Broadway, New York.

HARDWARE ASSISTANT.—Voung man, now as assistant buyer by well-known Hardware concern, desires position in same or similar capacity where there is room for advancement. Address S. R. S., care HARDWARE, 275 Broadway, New York. 239

HARDWARE CLERK OR SALESMAN.—Situation wanted in retail Hardware store. An all-around man; ten years' experience. Address C. E. F., care HARDWARE, 275 Broadway, New York. 191

HARDWARE SALESMAN OR BUYER.—Young man desires position as salesman or buyer. Seven years' experience in importing and jobbing Hardware house. First class reference furnished. Address Y, care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN of 14 years' successful experience, as direct representative for leading manufacturer to jobbers throughout the country, will be open for engagement after January 1. Highest references. Address SALARY, care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN.—German, to visit the retail trade in city and nearby towns. Commission or salary and commission.

Address George Burckner, 227 E. 87th Street, New York. 216

HARDWARE CLERK.—A man who has been in both wholesale and retail business wants position where he can make himself useful.

Address J. W. R., care HARDWARE. 275 Broadway, New York. 243

HARDWARE CLERK.—Wanted by a young man with experience, position as clerk in Hardware store. Has also had three years' experience at plumbing. Willing to work at it part of the time. Address Robert Craig 77 E. Columbia St., Detroit, Mich. 246

LACQUERER—Thoroughly experienced in lacquering and the manufacturing of lacquers of all kinds, desires a position and can furnish the best of references. Address G. A. W., care HARDWARE, 275 Broadway, New York.

MACHINERY SALESMAN.—Experienced man wants to represent special or general machinery and supplies, to establish New York office, or travel and install. Address Edwards, care H. Mfg. Co., 121 Front Street, New York.

MANAGER OR SALESMAN.—Position as manager or salesman of Hardware store by man of 31 years, having had thorough experience. Address Experience, care HARDWARE, 275 Broadway, New York.

OFFICE MANAGER AND CASHIER.—A position desired as office manager and cashier by a young man with twelve years' experience First-class references—security given, if desired. Address S. J. N., care HARDWARE, 275 Broadway, New York. 259

PAINT AND WALL PAPER SALESMAN.—Situation wanted by a young married man, perfectly familiar with the details of the paint and wall paper trade. Address or call. Charles P. Lundquiste, 83 Third Street, Brooklyn, N. Y. 208

PLUMBER, STEAM AND GAS FITTER.—Plumber, steam and gas fitter desires work in city or country; first class in all its branches, estimating, etc. Neat mechanic; sober, honest; references: Twenty years' experence. Address James E. Usher, 475 E. 115th Street, New York.

SHIPPING CLERK.—Young man desires position as shipping and receiving clerk. Four years' experience in shipping general Hardware and machinery. Can furnish A1 references. Address W. E. B., care HARDWARE, 275 Broadway, New York.

STORE MANAGER.—Position as manager or assistant manager in a retail Hardware store by a young man 24. Has had seven years' experience in Hardware, is thoroughly familiar with jobbers' prices. Would prefer position in a good, lively town in New York or Pennsylvania. At references. For further particulars address Manager, Box too, Little Falls, N. J.

Situations Wanted.

STORE OR TRAVELING SALESMAN.—Middle age, strictly temperate, experienced in retail Hardware, stoves and mill supplies. Competent to manage a business. Road experience in oils, mill supplies and other lines. Address H. K. F., care HARDWARE, 275 Broadway, New York.

Side Line Offered.

GOOD CHANCE for Hardware salesman to sell the "Argand" Lamp as a side line; liberal commissions. Address Argand VAPOR LAMP Co., Detroit, Mich. 152

HARDWARE SALESMEN.—To handle as a side line our labor. saving device, advertised elsewhere in this issue of HARDWARE-Liberal commission to good men. We furnish free to our agents a perfect working model, pocket size, which will lift 500 pounds. Address, DEPT. C, BURR MFG. Co., Cleveland, Ohio.

TRAVELING SALESMAN.—A young man, hustler, sober and reliable, would like to represent some manufacturer or well known jobber of cutlery in the States of North and South Carolina and Georgia. Salary no object. Very best of references. Address ROBERT, P. O. Box 262, Raleigh, N. C.

TRAVELING SALESMEN visiting Hardware, Implement and General Store trade in the States east of Illinois, to handle on good and prompt commission a splendid profitable side line. Sales by photograph; two photos cover the line. Many salesmen in Western States are making a good profit by it. Address H. F. Brammer Mfg. Co., Davenport, Iowa.

TRAVELING SALESMEN.—Large profits offered to traveling salesmen visiting factories to handle our improved patented Circular Saw Clamp as a side line. Address Fernside Mfg. Co., 78 Pearl St., Hartford, Conn. 264

For Sale.

HARDWARE STORE.—For Sale or rent stock and fixtures of old established Hardware store; fine location; cheap; owner retiring. Address JACOB ERL, 2133 N. 6th Street, Philadelphia, Pa. 263

HARDWARE STORE. 15 miles from New York City. Rare chance, price low. Address H. H. G., P. O. Box 410, New York City.

Agency Offered.

LIVE HARDWAREMEN.—We would like to hear immediately from a few live Hardwaremen who would like to be sole representatives in their towns, of a concern that is in the market for business, and have a line made for "men now on earth"—a modern line THAT CAN BE SOLD to your customers. Address "Box 88," care HARDWARE, 275 Broadway, New York.

Agency Wanted.

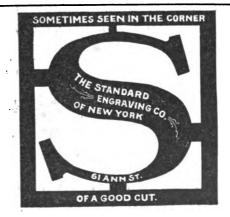
FOR NEW YORK AND VICINITY.—A gentleman now representing a first-class line of Hardware sold by the largest jobbers, would like to add one or more lines of importance for New York and vicinity. Best of references as to experience and ability. Address J. B., care HARDWARE, 275 Broadway, New York.

Business Opportunity.

PARTNERSHIP WANTED.—Young man of wealthy home seeks interest or partnership in established business. Capital and references furnished. Address Confidential, care HARDWARE, 275 Broadway, New York.

Mail Order Specialties.

LIGHT HARDWARE SPECIALTIES WANTED for a mail order business. Address The Mills Co., Cleveland, Ohio. 247



WRITE FOR QUOTATIONS



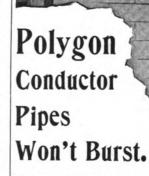
THE CLARK MFG. CO., Buffalo, N.Y.

Lull & Porter, O. S.

"BUFFALO REVERSIBLE

SHUTTER HINGES

CLARK'S SURFACE BLIND HINGES, GATE HINGES, SASH PULLEYS, SPRING HINGES, CAST DOOR BUTTS, STOVE PIPE DAMPERS, ETC.



The twist in the corrugation checks the sudden fall of ice and water, thus protecting the joints. It stands hard knocks because it is corrugated. Again, it is much handsomer than plain pipe. Made in copper and galvanized iron.

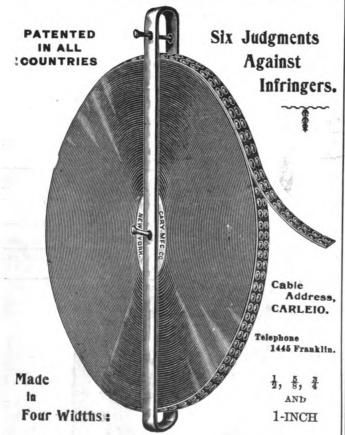
Catalogue and information free.

Address Dept. H, THE.

AMERICAN STEEL ROOFING CO.

Middletown, O.

CARY'S UNIVERSAL BOX STRAP.



CARY MANUFACTURING

19 and 21 Roosevelt St., New York.



PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher

prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished

	sturer quoted.
Adzes—	Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in kegs,
House Carpenters, Ogden's	12½ b 2.27 Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in kegs,
Ammunition—	"V. G. P." for Trap Shooting.
CAPS, PERCUSSION—19 1000—	"V. G. P." for Trap Shooting
U. M. C. Co., trimmed edge40c U. M. C. Co., ground edge, heavy50c	"V. G. P." for Trap Shooting.
Musket, Waterproof, 1-10's 60c G. D	Choke Bore. Nos. 5 and 7. in
CARTRIDGES— Rim Fire Cartridges50%	kegs, 25 lb
Rim Fire Military	Choke Bore, Nos. 5 and 7, in kegs, 12/4 fb
Cent. Fire. Military and Sport-	kegs, 6½ lb 1.50 Mealed Powder, in kegs, 25 lb . 4.00
ing 15&5% Blank Cartridges, 23 cal 10&5% Blank Cartridges, 33 cal 10&6% Primed Shells and Bullets 15&5% D. Core Pound Ball 25&55%	Shipping Powder, F, FF, FFF, FFFF, and FFFFF, in kegs,
Primed Shells and Bullets	25 b
B. B. Cape, Con. Ball, Swgdnet PRIMERS—	Mining and Blasting Powder, (A). C, F, FF, FFF, FFFF, in kegs, 25 ib
Berdan Primers	(B), C, F, FF, FFF, FFFF,
B. L. Caps (for Sturtevant Shells)5% All other Primers	Du Pont Sporting Powder, for lots
SHELLS— Meet quality 4 8 10 and 12 cance. 254	1000 to 10% discount : Du Pont Smokeless Shotgun
First quality, 4, 8, 10 and 12 gauge25% First quality, 14, 16 and 20 gauge, \$7.50	Powder: Kegs, equal in bulk to 25 b
New Club, New Rival and Climax brands, 10 and 12 gauge	Black Powder 22.00 Half kegs, equal in bulk to
Delmana Cinh	121/6 ib Black Powder 11.20 Quarter kegs, equal in bulk to
High Ball	614 in Black Powder 5.78 Canisters, equal in bulk to
Nitro 15% High Ball 15% Smokeless 8814&10% Acme 8814&110 Brass Shot Shells, 1st quality 60% Brass Shot Shells, Club, Rival and	1 ib Black Powder 1.00 Du Pont Smokeless Rifle Powder No. 1 complete bulk
Brass Shot Shells, Club, Rival and Climax	Powder No. 1, equal in bulk to 1 ib Black Powder 1.00 Du Pont Smokelees Rifle
SHELLS, LOADED—	Powder No. 2, equal in bulk to 1 b Black Powder 1.00
"New Club," Black Powder40&5% "New Rival," Black Powder40&5%	Du Pont U. S. 80 Calibre Smokeless Rifle Powder,
"New Rival," Black Powder40&5% "Smokeless" Nitro Powder, 40&10&56	per ib
"Acme," Dense Nitro Powder, 40&10&10&5≴ "Trap," Nitro Powder40&10&10&5≴	PETERS PRIMERS— All Primers\$1.10-1.121/
GUN WADS-\$ 1000-	CARTRIDGES —
B. E., 11 up\$.60 B. E., 9 & 10	Peters Blank Cartridges: .82 C. F., \$5.50
3. E., 7	.88 C. F., \$7.00
B. E., 8	.88 cal. Rim, \$2.7510&55 B. B. Caps, Con. Ball, Swgd\$1.85-1.90
P. E., 7 1.50	Section Cartridges
sнот— Tatham Bros., List June 11, 1900: \$ bag	
Drop Shot, sizes smaller than B, 25-10 bags	Rim Fire Sporting
Drop Shot, sizes smaller than B, 5-lb bags	PETERS SHELLS—EMPTY—
25-b bags 1.60 Drop Shot, B and larger sizes,	Peters Ideal, 10 and 12 gauge 831/&101 "New Victor, 10, 12 and 16 gauge 151 "Quick Shot, 10, 12 and 16 gauge 25&55
5 1b bags 40	" Quick Shot, 10, 12 and 16 gauge 25 & 55 " League, 10, 12 and 16 gauge 25 & 55
Buck Shot, 5 ib bags	PETERS SHELLS—LOADED (BLACE POWDER)
Chilled Shot, 25-16 bags 1.60 Chilled Shot, 5-16 bags .40 Dust Shot, 25-16 bags 2.10	Peters League, 10 and 12 gauge.40&55
Dust Shot, 5-1b bags	"Quick Shot, 10, 12 and 16 gauge 40 & 5,4 Loaded with (Semi-Smokeless
CANISTER POWDER— L. I. Du Pont De Nemours & Co.:	Powder). Peters Referee 10,12and16 gauge40&5s
In cases of 25 each. Each Crystal Grain, Nos. 1, 2, 8 and	Loaded with (Smokeless Powder). Peters New Victor, 10,12 and 16
4, in canisters of 1 lb \$.75 Ragle Duck Shooting, Nos. 1, 2	gauge
Eagle Duck Shooting, Nos. 1, 2	GUN WADS-
and 8, in canisters of 1/4 tb80 Eagle Rifle and Superfine Sport-	Peters B. E., 9 to 10
ing, in canisters of 1 ib45 Du Pont Rifle, Fg, FFg and	" Victor, 8
Du Pont Rifle, Fg, FFg and	" P. E., % in. 8\$1.50
FFFg, in canisters of 1/2 ib15 Du Pont Rifle, Fg, FFg and	9&10
FFFg, in canisters of 1/2 lb12 KEG POWDER—	
Ragle Duck Shooting, Nos. 1, 2	9&10
and 3, in kegs, 35 h \$8.00 Ragle Duck Shooting, Nos. 1, 2 and 3, in kegs, 137, b 4.25 Ragle Duck Shooting, Nos. 1, 2	" Damp I roof, per 1,000: 8\$1.50
2 and 3, in kegs, 12% ib 4.25 Eagle Duck Shooting, Nos. 1, 2	9&10
and 8, in kegs, 614 b 2.25	Octo Doute, bet 1,000;
Du Pont Kine, FFFg, FFg, and	8 96c 9&10 92 c
and 3, in kegs, 614 h	9&10

" Nitro card: 8 9&10	26c
11 to 20	18C
FOWDER— Ring's Smokeless (Shot-gun), Kegs (25ths bulk)	.00
Half Kegs (121/61bs bulk) 11 Quarter Kegs (61/41bs bulk) 5 Capister (11) bulk)	.75
King's Smokeless (Rifle), Half Kegs (1214the bulk)	.25
Canister (1% bulk) 1 King's Semi-Smokeless,	.75 00
Keg, 25fbs bulk 10 Half Keg, 1214fbs bulk 5 Ouarter Keg, 614fbs bulk 2	.00 .95 .75
1 b Can, bulk	.60
Half Kegs, 1214bs	.25
Canister (1b bulk). 1 King's Semi-Smokeless, Keg, 25hs bulk. 10 Half Keg, 12½fbs bulk. 5 Quarter Keg, 6½fbs bulk. 2 1 h Can, bulk. 10 King's Quick Shot (Black), Kegs, 25 hs. 4 Half K-gs, 12½fbs. 2 Quarter Kegs, 6½fbs. 1 1 h Can (24 in case). 1 ½ h Can (24 in case). Discounts on application.	.25 .15
Iowa Farming Tool Co.: \$\ d\ Hawkeye	0z. .25
Anti-Rattlers	
Fernald, Wire	10% 10%
Gem	60% 40%
Kohler's:	.00
Fernald, Wire	.00
A	
Armitage's Mouse Hole	14c 10x
Eagle Anvils, \$2 ib 9c	25% %2€
Peter Wright's	14c 10x
American "Horse-Shoe" 9 Armitage's Mouse Hole 9 Cincinnati 25& Eagle Anvils, \$9 th 9c. 15@15& Hay Budden, Wrought 8 Peter Wright's 94@10 Samson 40& Trenton ANVIL AND VISE COMBINED—	.yc
Cheney Anvil and Vise	40≴ 10≴
Augers and Bits— Boring Machine	70%
Forstner Pat. Bits	70%
	25%
C. E. Jennings & Co.: Double Spur pattern car, No. 30 Nobles Double Spur, No. 3250&	25% 50% 10%
C. E. Jennings & Co.: Double Spur pattern car, No. 30 Nobles Double Spur, No. 8250& No. 10 Extension Lip No. 10 Extension Lip Car Bit	25% 50% 10% 40% 40%
C. E. Jennings & Co.: Double Spur pattern car, No. 80 Nobles Double Spur, No. 82 50& No. 10 Extension Lip No. 10 Extension Lip Car Bit Car Bits, No. 10. Car Bits, No. 30 Ring Augers	25% 50% 10% 40% 40% 50% 70%
C. E. Jennings & Co.: Double Spur pattern car, No. 30 Nobles Double Spur, No. 32 50& No. 10 Extension Lip No. 10 Extension Lip Car Bit Car Bits, No. 10 Car Bits, No. 30 Ring Augers Jennings * Pattern 50& Snell's Auger and Car Bits	25% 50% 10% 40% 40% 50% 70% 60%
Augers and Bits— Boring Machine. Com. Auger Bits	
Jenning's Pattern Auger Bits,	104
Jenning's Pattern Auger Bits, 50@50& Jenning's Pattern Car Jenning's Pattern Machine Russeil Jennings' Augers and Bits \$5&10&2	104
Jenning's Pattern Auger Bits, Jenning's Pattern Car Jenning's Pattern Machine Russell Jennings' Augers and Bits 85&10&2	10% 41 % 96%
Jenning's Pattern Auger Bits, Jenning's Pattern Car	10% 44 % 96% 10%
Jenning's Pattern Auger Bits, Jenning's Pattern Car	10% 44 % 96% 10%
Jenning's Pattern Auger Bits, Jenning's Pattern Car	10% 44 % 96% 10%
Jenning's Pattern Auger Bits, Jenning's Pattern Car	10% 44 % 96% 10%
Jenning's Pattern Auger Bits, Jenning's Pattern Car. Jenning's Pattern Machine. So@50& Jenning's Pattern Machine. S\$6.00&2 HOLLOW AUGERS— Ames	10x 44x 95x 10x 10x 10x 10x 10x 10x 10x 10x
Jenning's Pattern Auger Bits, Jenning's Pattern Car. Jenning's Pattern Machine. Sociolo. Jenning's Pattern Machine. Sociolo. Russell Jennings' Augers and Bits Sociolo. Ames	10x 44x 95x 10x 10x 10x 10x 10x 10x 10x 10x
Jenning's Pattern Auger Bits, Jenning's Pattern Car Jenning's Pattern Machine Russell Jennings' Augers and Bits **Schibe2** HOLLOW AUGERS— Ames **Schibe2** Bouney's Adjustable, No. 4, \$24.00, **Cincinnati Nos. 1, 2 and 8. 25.6 Douglass' **Douglass' **Schibbard's Adjustable Net prilives **Schibbard's Adjustable **Millers Falls, Goodell **Expansive bits— C. E. Jennings & Co **Cark's small, \$18. 50.6 Clark's small, \$18. 50.6 Clark's large, \$26 1ves' Model, **doz. \$80 Ives' Model, **doz. \$80 Swan's **Soch	10x 44x 95x 10x 10x 10x 10x 10x 10x 10x 10x
Jenning's Pattern Auger Bits, Jenning's Pattern Car. Jenning's Pattern Machine. Jenning's Pattern Machine. Sociology Bounders Augers and Bits Bollow Augers Augers and Bits Hollow Augers. Ames. Ames. Ames. John Augers. Sociology Cincinnati Nos. 1, 2 and 3. 25& Douglass' Cincinnati Nos. 1, 2 and 3. 25& Hibbard's Adjustable. Net prives. Sociology Millers Falls, Goodell Sociology EXPANSIVE BITS— C. E. Jennings & Co. 83 Clark's small, \$18. 50& Clark's large, \$28. 50& Ives' Model, \$ doz. \$60 Swan's. 50& DOUBLE CUT GIMLET BITS—	10x 44x 95x 10x 10x 10x 10x 10x 10x 10x 10x 10x 10
Jenning's Pattern Auger Bits, Jenning's Pattern Car. Jenning's Pattern Machine. Jenning's Pattern Machine. 85&10&2 85&10&2 HOLLOW AUGERS— Ames	10x 41x 30x 10x 10x 10x 10x 10x 10x 10x 10x 10x 1
Jenning's Pattern Auger Bits, Jenning's Pattern Car. Jenning's Pattern Machine. Jenning's Pattern Machine. 85&10&2 85&10&2 HOLLOW AUGERS— Ames	10x 41x 30x 10x 10x 10x 10x 10x 10x 10x 10x 10x 1
Jenning's Pattern Auger Bits, Jenning's Pattern Car. Jenning's Pattern Machine. Jenning's Pattern Machine. 85&10&2 85&10&2 HOLLOW AUGERS— Ames	10x 41x 30x 10x 10x 10x 10x 10x 10x 10x 10x 10x 1
Jenning's Pattern Auger Bits, Jenning's Pattern Car Jenning's Pattern Machine. Russell Jennings' Augers and Bits **Sc. 10&2** HOLLOW AUGERS— Ames Sc. 25&2** Bonney's Adjustable, No. 4, \$34.00, 25** Cincinnati Nos. 1, 2 and 8. 25&2** Douglass' 25&2** Hibbard's Adjustable Net prilives Sys Millers Falls, Goodell EXPANSIVE BITS— C. E. Jennings & Co Clark's small, \$18 DOUBLE CUT GIMLET BITS— Common	10x 44x 44x 44x 10x 10x 10x 10x 10x 10x 10x 10x 10x 10
Jenning's Pattern Auger Bits, Jenning's Pattern Car Jenning's Pattern Machine. Russell Jennings' Augers and Bits **Schibe2** Hollow Augers — **Schibe2** Bonney's Adjustable, No. 4, \$24.00, 25.02.25. Cincinnati Nos. 1, 2 and 8, 25.65. Hibbard's Adjustable. Net prilives. 25.65. Hilbard's Adjustable. Net prilives. 25.65. Millers Falls, Goodell. 15.67. EXPANSIVE BITS— C. E. Jennings & Co 33. Clark's small, \$18 50.65. Lyee' Model, \$4.50 50.65. EVENATION OF THE BITS— Common. 40.610.06. Mayhew's Diamond \$4.02. \$1.25 50.65. Swan's 50.65. Swan's 50.65. Swan's 40.65. Swan's 40.65. EXPANSIVE BITS— Common. 40.610.06. Mayhew's Diamond \$4.02. \$1.25 50.65. Swan's 50.65. EXPANSIVE BITS— Common 40.610.06. Mayhew's Diamond \$4.02. \$1.25 50.65. Swell's Bell Hangers 40.65. Snell's Bell Hangers 40.65. Snell's Bell Hangers 40.65. Snell's Bell Hangers 40.65. EXPANSIVE DRILLS— Cincinnati Tool Co., for wood, 40.65. for metal, (Cleveland Wood Bits for Brace, 50.65.)	10x 44x 54x 10x 10x 10x 10x 10x 10x 10x 10x 10x 10
Jenning's Pattern Auger Bits, Jenning's Pattern Car Jenning's Pattern Machine. Russell Jennings' Augers and Bits **Schilded** **Hollow Augers and Bits Bonney's Adjustable, No. 4, \$24.00, 25@25ch Cincinnati Nos. 1, 2 and 8, 25ch Douglass' 25ch Hibbard's Adjustable Net pri- lives 25ch Millers Falls, Goodell 15ch Expansive bits - C. E. Jennings & Co 33 Clark's small, \$18 50ch Lyes' Model, \$ doz. \$50 Swan's 50ch Swan's 50ch Mayhew's Diamond \$ doz. \$1.25 \$3 C. E. Jennings & Co 40ch Mayhew's 40ch Snell's Bell Hangers 40ch Snell's Bell Hangers 40ch Cleveland Wood Bits for Brace. 50ch Cleveland Wood Bits for Brace. 50ch	10x
Jenning's Pattern Auger Bits, Jenning's Pattern Car Jenning's Pattern Machine. Russell Jennings' Augers and Bits **Schilded** **Hollow Augers and Bits Bonney's Adjustable, No. 4, \$24.00, 25@25ch Cincinnati Nos. 1, 2 and 8, 25ch Douglass' 25ch Hibbard's Adjustable Net pri- lives 25ch Millers Falls, Goodell 15ch Expansive bits - C. E. Jennings & Co 33 Clark's small, \$18 50ch Lyes' Model, \$ doz. \$50 Swan's 50ch Swan's 50ch Mayhew's Diamond \$ doz. \$1.25 \$3 C. E. Jennings & Co 40ch Mayhew's 40ch Snell's Bell Hangers 40ch Snell's Bell Hangers 40ch Cleveland Wood Bits for Brace. 50ch Cleveland Wood Bits for Brace. 50ch	10x
Jenning's Pattern Auger Bits, Jenning's Pattern Car. Jenning's Pattern Machine. Russell Jennings' Augers and Bits **Schools** HOLLOW AUGERS— Ames. Schools** Bouney's Adjustable, No. 4, \$24.00. 2:@25& Bounglass'. Schools** Bibbard's Adjustable. Net prilives. Millers Falls, Goodell. Schools** Millers Falls, Goodell. Schools** **Expansive bits— C. E. Jennings & Co. Clark's small, \$18. Sock Ives' Model, \$0. **DOUBLE CUT GIMLET BITS— Common. **Common. **Goodell** Double Cut Gimlet Bits— Common. **Common. **Goodell** **Double Cut Gimlet Bits— Common. **Common. **Com	10x 44x 54x 10x 10x 10x 10x 10x 10x 10x 10x 10x 10
Jenning's Pattern Auger Bits, Jenning's Pattern Car. Jenning's Pattern Machine. Russell Jennings' Augers and Bits **Schools** HOLLOW AUGERS— Ames. Schools** Bouney's Adjustable, No. 4, \$24.00. 2:@25& Bounglass'. Schools** Bibbard's Adjustable. Net prilives. Millers Falls, Goodell. Schools** Millers Falls, Goodell. Schools** **Expansive bits— C. E. Jennings & Co. Clark's small, \$18. Sock Ives' Model, \$0. **DOUBLE CUT GIMLET BITS— Common. **Common. **Goodell** Double Cut Gimlet Bits— Common. **Common. **Goodell** **Double Cut Gimlet Bits— Common. **Common. **Com	10x 44x 54x 10x 10x 10x 10x 10x 10x 10x 10x 10x 10
Jenning's Pattern Auger Bits, Jenning's Pattern Car Jenning's Pattern Machine. Russell Jennings' Augers and Bits **Schools** **Hollow Augers and Bits Bonney's Adjustable, No. 4, \$24.00, 25.625.25 Cincinnati Nos. 1, 2 and 8, 25.62 Douglass' 25.62 Hibbard's Adjustable Net prilives. 25.63 Millers Falls, Goodell 15.627 Swan's. 25.63 Millers Falls, Goodell 15.627 Swan's. 25.63 EXPANSIVE BITS— C. E. Jennings & Co 23 Clark's large, \$26, 50.62 Swan's. 50.62 Boother Cut girllet Bits— Common 40.82 10.63 Mayhew's Diamond \$2 doz. \$1.25 Swan's. 50.63 Suell's Bell Hangers 40.63 Snell's Bell Hangers 40.64 Snell's Bell Hangers 40.65 Bit stock DRILLS— Ciceveland Wood Bits for Brace. 50.65 Dottelat Tool Co., for wood, 40.65 Cleveland Wood Bits for Brace. 50.65 Morse. 50.65 Morse. 50.65 Morse. 50.65 Morse. 50.65 Swan's, for wood 40.65 Syracuse, for wood 40.65	10 x

Standard Oil Tube Drills
L'Hommedieu's
Awl and Auger Handles— See Handles Awls—
Handled Brad
Patent Peg. 50%
Patent Pegging50@50&10\$ Awl and Tool Sets-
Aiken's Awls and Tools: No. 10, \$\psi \text{doz}\$. \$7.50; No. 20, \$\psi \text{doz}\$. \$10
Brad Sets: No. 42, \$10.50; No. 48, \$12.5070s Fray's Adj. Tool Hdls., Nos. 1, \$12; 2, \$18; 8, \$12; 4, \$9; 5, \$7
Ioe Awis
C. E. Jennings & Co.'s Adjustable Tool Handles
Axes— First quality, best brands\$6.50@7.00
First quality, other brands6.00@6.59 Beveled, add 25c. \$\text{ doz.}
Hunt's, Underhill's or Blood's40&105 Peck's: Champion Blade458
Empire Brand
Broad Shingling and Claw 50&5s Lath, Hunters', etc. 50.
Broad 40&10s Shingling, Claw, etc. 40&10s Handled Axes. 40s Boys 50s
Axle Grease—
1-15 box. 15 2-15 box. 25 11-15 pail \$1.90 25-15 keg 2.75 50 15 keg 5.00
Balances— Chatillon's:
Light, Class A
Balances, Sash—
Pullman's
See Hangers. Barrel Drainers— Notional
National
Japanned, each, \$7.50
HAND— Extra Heavy Brass
Daine Dall Madel 994
Silver Chime
Globe (Cone & Patent)
Globe (Cone & Patent)
Soliver Chime Soliver Chim
Soliver Chime Soliver Chim
Soliver Chime Soliver Chim
Soliver Chime Soliver Chim



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Cleveland Rubber Co.: Price Each Buckeye	Bone Mills.	WROUGHT STEEL-	Cherry Stoners—
Shield High Grade50&10%	Enterprise	List April 1, 1895. Bronzed Inside Blind Butts50@50&10%	Enterprise
War. 2 XL	Borers, Bung.	Bronzed, Narrow50@50&10% Fast Joint, Narrow	Chisel and File Handles -
N. J. Car Spring & Rubber Co.: Extra Para40&10%	Enterprise	Fast Joint, Light Narrow	See Handles.
Reliable	Nos 1 2 8 C. E. Jennings & Co.:	Fast Joint, Light Narrow Fast Joint, Broad Loose Joint Loose Pin Table Butter Book Wassets	Chisols— SOCKET FRANING AND FIRMER—
8tandard70&10%	No. 6	Table Butts, Back Flaps, etc	Buck Bros
Belting, Stitched Cotton—	Borers, Tap—	Bemis & Call:	Douglass
Sphinx Brand	Common Ring20&10%	Wing	Ohio Tool Co
Belts—	Enterprise	Straight Leg	8wan
BNDLESS THRESHER-	Boring Machines-	Call's Pattern, Inside55%	Witherby
Four Ply, 6-in. net	WITHOUT AUGERS— Upright. Angular.	Can Openers— American	TANGED AND MISCELLANEOUS-
Four Ply, 8 in. net	Douglass'\$2.75 \$3.38 Jennings'8.00 3.75	Goodell's Acme	Buck Bros
Bench Stops— Cincinnati25&10%	Millers Falls	1 gross lots ₱ gross, \$16.00 1 gross lots ₱ gross, 15.00	Butchers'\$4.75@\$5.00 to £ C. E. Jennings & Co20\$
Morrill's No. 1, \$10.00 per doz.; No.	• • • • • • • • • • • • • • • • • • • •	30 days net. 24 10 days. No. 5, Iron Handle. 3 gross, \$2,00@2.25	Jennings & Griffin Mfg. Co. Tanged Chisels and Gouges
2, \$11.00	Bow Pins— Hotchkiss60&10%	Sardine Scissors	Spear & Jackson's \$5.00 to £ Tanged Firmers' 40@40&10≴
Terrell s Nos. 1 and 2, \$3.00; No. 3, \$3.00 \(\pi\) doz	Boxes, Mail.	♦ doz., \$4.50 Sprague, No. 1, \$2.00; No. 2, \$2.25;	COLD CHISELS—
Weston's	Heller's	No. 3, \$2.50	Good quality, ₹ b
Binder Twine—	Box Strapping—	Cards—	Chucks—
White Sisal. 500 ft. to ib 8c Standard, 500 ft. to ib 8c	Cary's "Universal," in case lots, 20&10@20&10&10\$ Braces—	Cotton	Beach Patent, each, \$8.0020% Cushman's:
Manila, 600 ft. to b 10c Pure Manila, 650 ft. to b 11c	Barbers'50&10@60&10%	Wool 25%	Combination
Bit Holders—	Barbers' Ratchet	Carpet Stretchers— Montross' "Excelsior,"% doz.,	Morse's Adjustable, each, \$7.0025% Syracuse, Balz Patent 30%
Angular	Ives': Barbers'	\$6.00	Union Mfg. Co.:
Extension: Barber's, ♥ doz. \$15.0045@50%	Barbers' Ratchet 60@60&10% New Haven Novelty	Cast Iron Steel Points# doz80c Socket# doz., \$1.75@\$2.00	Combination
Ives' \(\frac{1}{2}\) doz. \(\frac{1}{2}\)\(\frac{1}\)\(\frac{1}\)\(\frac{1}\)\(\frac{1}{2}\)\(\frac{1}\)\(\frac{1}{2}\)\(\fra	New Haven Ratchet	Carriage Bolts—	Universal
Bit Stock Drills— See Augers and Bits.	C. E. Jennings & Co.: No. 108@1141450&10%	See Bolts.	Clamps—
Blind Adjusters—	No. 2085@21414	Carriage Makers' Clamps—	Adjustable, Cincinnati25&10% Adjustable, Hammers20%
Domestic ₩ doz. \$3.00	Peck's (P. S. & W. Co.)50&10@60% Gen. Spofford's,50&10@60%	See Clamps.	Adjustable, Stearns'. 30% Mallcable, Stearns'. 75% Cabinet Makers or Quilt Frame, Sargent's 50% Carpenter's, Cincinnati. 25% 10%
Excelsior \$\psi \text{doz.} \\$10.00 \dots 50&10&2\frac{10}{8} \dots \dot	Brackets—	Cartridges— See Ammunition.	Sargent's
Zimmerman's	Door Screen	Casters—	Carriage Makers', Sargent's 50@50&10#
Blind Fastenings and Tenons— Austin & Eddy \(\) gro, sets\$5.50	Shelf, Plain, Regular list	Bed	Carriage Makers', Sargent's 50@50&10% Carriage Makers', Stearus'50@50&10% Carriage Makers', P. S. & W. Co. 40&10
Forban's Improved Star Tenon \$9 gro. \$1.00	@50&5% Window Screen Corner60&10%	French or Phila. Iron Wheel. 70&10@77% Brass Wheel	Smith's: Eccentric
Holt's Tenons	Reading, Plain	Martin's Patent (Phœnix)	Splicing Tools
Merriman's Iron Lever № gr 9.00 Millers Falls № set \$1.0015&104	Bracket Saw Frames—	Payson's Furniture	Warner's40&10 Cleaners, Sidewalk— doz
Security Gravity & gr\$9.00 Washburne's Plate & gr9.00	Millers Falls Co25%	Standard, Ball Bearing	Challenge Shank\$8.25
Zimmerman's50%	Bracket Sets— Millers Falls Co	Cattle Leaders—	Star Shank 4.00 Star Socket 4.25
Blind Hinges— See Hinges.	Box Hooks, Openers and Scrap-	Humason, Beckley & Co.'s70&10%	Clippers— HORSE—
Blocks-	ers— Humason & Beckley's60&60&10%	Peck, Stow & W. Co	Chicago Flexible Shaft Co.'s:
Chishoim & Moore Crane Load Blocks 15% Cleveland Block Co. Steel60&16@70%	Bright Wire Goods—	Chain—	Chicago Belt Clipping Machine, Each \$15.00 net
Eddy's	Standard. New list80%	American Halter Chain50@50&10% American Proof Coil, Cask lots.	New '98, Chicago Each 8.75 net
Iron Strapped, Japanned Sheaves70% Iron Strapped, Lig Vitae Sheaves60%	Bull Rings—	F. O. B. Pittsburgh. Inch. Per to.	Chicago Flexible Shaft Co.'s: \$ doz.
Rope Strapped, Japan'd Sheaves.60&10% L. V. Sheaves	Humason, Beckley & Co.'s	8-16	Mascot
Lanes: Junior, Self Sustaining80%	Sargent's	5-16 4.85 84 4.00	Stewart Pat10.00 net
Pat. Automatic 30% Perfect Safety 80%	Bull Punches—	7-16 3.85	Norway Axle
Stowell, Novelty Block50&10% Regular Iron Strapped Blocks	Humason & Beckley's25% Bush Hooks—	14 8.76 9-16 8.56 54 8.55	Superior Axle Clips60&10&10\$
60&10&10@70s	See Hooks.	\$6	Coffee Mills—
DOOR AND SHUTTER-	Butchers' Cleavers—	1 8.50 An advance of 25c. % 100 is added on	Box and Side
Cast Iron Barrel, Square, &c50&10% Cast Iron Chain50&10%	Bradley's	orders of less than cask lots. Bridgeport Chain Co.:	National Specialty Mfg. Co30% The Swift, Lane Bros. Co30%
Cast Iron Shutter Bolts45&10% Ives' Patent Door Bolts60%	Foster Bros. Flat Hds	Brown, Coil	Waddel's New Box Mills10≴
Wrought Barrel	Lancaster Mach. & Knife Wks. 381/4@40% . & I. J. White	Competition Sash	ideal Brand, New List60@60&10≴ Coil Chain—
Wrought Shutter, Standard list. 40&10&10@50&10\$	New Haven Edge Tool Co.'s	Triumph, Coil	See Chain.
Wr't Sunk Flush, Sargent's list 50@50&10%	Butcher Knives-	Covert Mfg. Co., Breast Chain	Compasses, Dividers, &c.—
Wr't Sunk Flush, Stanley's list 45@45&10%	See Knives. Butchers' Saw Blades—	Covert Mfg. Co., Heel Chain 85%	Athol Calipers and Dividers40 Bemis & Call Co.'s:
Wr't B. K. Flush, Com'n, Stanley's list	Millers Falls Co. Star15@15&10%	Covert Mfg. Co., Stallion Chain.	Compasses
Wrought Spring, Sargent's75%	C. E. Jennings & Co25&10% Butter and Cheese Triers—	monarca, Saan	Compasses, Calipers, Dividers.
CARRIAGE, MACHINE, &C.— Bolt Ends	Ordinary Black Handle	60&10% Jack Chain, Iron60@60&10%	Copeland's Extension. 40% Stevens' "Ideal". 25&10%
Machine	Humason & Beckley's	Jack Chain, Brass 60&60&10% Oneida:	Stevens' "Ideal" 25& 10% Stevens' "Leader" 25& 10% Starrett's Fay's Patent
Norway Iron, list Oct. '84	Stanley's	Niagara60%	Spring Calipers and Div25& 10x Wright's
Sleigh Shoe85%	Butts-	Eureka	Coopers' Tools—
American Screw Co.:	BRASS— Cast Brass, Fast Joint40&10@50a	COW TIES-	Bradley's
Bay State, Plain, list Dec. 28, '99.771/48 Bay State, Finted	Cast Brass, Ice House	American50@50&10% Niagara45@50%	Beatty's
Eagle Phila., list Feb. 26, '96 85% Norway, Phila., list Feb. 26, '968214%	Wrought Brass, list Sept. '96.40@40&5≴	Covert Mfg. Co.:	Sandusky Tool Co
Common, list Dec. 28, '99	CAST IRON— Loose Joint	Hemp	Corkscrews—
Portchester. Norway771/2%	Loose Joint, Japanned 60&10&5@70% Loose Joint, Japanned 60&10&5@70% Loose Joint, Jap. with Acorns	Sisal20%	Detroit Cork-Screw Co83144 Howe Bros. & Hulbert405
9TOVE AND PLOW— Plow	60&10&5@70% Loose Pin	Chain Guards— Aluminum S. & N. Co50	Humason & Beckley Mfg. Co 40& 10≰ Samson
Stove, List Dec. 28, '99	Mayer's Hinges	Chain Hoists—	Williamson's
MISCELLANEOUS — Sink	Fast Joint, Broad	Moore's "Anti-Friction"30% Moore's "Direct"50%	Corn and Fodder Compressor— J. B. Hughes', & dozen net\$3.00
		2.5010 0 2.11000	D. Mugnes , W dozeli uet



OCIODER 23, 1901.		· · · · · · · · · · · · · · · · · · ·	
Corn Hooks— \$\psi\ doz	Egg Beaters—	Forks-	Halter Chaln— See Chain.
Kretsinger Cut-Kasy\$8.00 net	Dover Stamping Co.: New Dover, # doz. 75 cts., # gro.\$7.50	Steel Goods Association List, Aug. 1, 1899.	
Corn Knives and Cutters—	Extra Family Size Doz. 2.00	Barn or Ice Forks	Hammers— HANDLED HANNERS—
Bradley'snet Wadsworth'snet	Keystone	Reet Forks	Humason & Beckley
Countersinks—	Standard Co.: # gro. Dover, No. 5	Coal Forks	\$1.50&\$1.75
Mayhew's Diamond	Dover, No. 10	Hay Forks, Four Tine, Standard Size	\$1.50&\$1.75
Snell's	Dover, Extra Heavy, No. 1512.00 Rival	Hay Header and Baier Forks, Four Tine	Peck, Stow & Wilcox 40@40&10% A. E. Nail
Wheeler's Patent50&10%			Engineers and B. S. Hand60&109 Sargent's New List45@45&109
Crayons— Sargent's List20%	Emery—	Heavy Mill. Manure or Street Forks. 75%	Verree
Sargent's List 20% Dixons: \$ gro. Eclipse 33.75 Emerald 5.06	No. 6 to 46, \$10		HRAVY HAMMERS AND SLEDGES-
Emerald	No. 54 to 150, \$\vec{9} \text{ ib} \dots 10c \\ \text{Flour, \$\vec{9}\$ ib} \dots 8c \\ \end{align*}	Potato Digging Forks	Under 8 tb 10 tb 40c } 80@80 & 101
Rainbow 2.81	Enameline— # gro.	Shaving Forks	Over 5 15 39 15 80c 75 & 10@80
Solid	No. 4 \$4.50	NACKAT MANNTA KOTER, FOUL LINC	Wilkinson's Smiths914c@10c # f
Curry Combs— Fitch's Listnet prices	No. 6	Socket Spading Forks, Four Tine, 70&5&5&2%, Spading Forks	Hammock Ropes—
Kehler's	Escutcheons—		Covert Mfg. Co.: Jute
17, '97	Wood	Tanner's Forks 40&5% Hay Forks, Three Tine, Standard Size 6636%	Sisal
Rubber, W dos. \$7.50	Expansive Bits— See Augers and Bits.	Size	Hand Cultivators— Ulrich Mfg. Co.:
Southington Cutlery Co.'s25&10%	Farriers' Knives— \$ doz.	Hay Header and Baler Forks, Three Tine 6714&2145 Hay Forks, Two Tine, Standard	Osborne's \$ doz., \$15.0
Cycle Hangers— Lane's881/4&5%	"Chellenge" \$8.00	Hay Forks, Two Tine, Standard Size65%	Handles-
Diggers-	Popes. 8.00 Wikinson's \$3.00 net Wostenholm's \$3.25.10	Fruit, Wine and Jelly Presses.	IRON, WROUGHT OR CAST— Chest Handles, Sargent's50&10
See Post Hole, etc.	Wostenholm's\$3.2510%	Enterprise	Chast Handley Steams' No. 1 Door
Dividers-	Faucets-	Fry Pans –	or Thumb
See Compasses, Dividers, etc.	Brass Globe Cocks	Acme Fry Pans	30 do 10
Dog Collars— Chapman Mfg. Co.'s New List:	Compression Bibbs65@65&10% Compression Bibbs with flange	Standard List	Drawer Handles
Chain (full assortment) 40% Leather (full assortment) 40% 10%	65&10@70 £	No 0 1 2 8 4 9 doz. \$8.00 \$8.75 \$4.25 \$4.75 \$5.25	Roggin's Latches
Pope & Stevens:	Lever Handle Bibbs, Gr. Ky. Rgh	No	Trunk Handles
Embosed	Red Cedar	Fuse—	STORE DOOR HANDLES-
Union Hardware Co. New List 50@50&10s	Frary's Iron Petroleum65@65&5%	1000 ft. \$2.60	Bronzed, with Cylinder Lock50
Door Bolts-	John Sommer's "Peerless," Tin Key40% John Sommer's "Boss," Tin Key50%	Cotton Fuse	Bronzed
See Bolts, Door.	John Sommer's "Boss," The Rey	Donble Tened Kilse	Japanned, without Plate 45&10
Door Checks— Bardsley's	John Sommer's "Duplex," Metal	Triple Taped Fuse 5.00	DOOR PULL—
Columbia	John Sommer's "Duplex," Metal Key	Gate Hinges	Barn Door
Home	Key	See Hinges. Gauges—	Chest and Lifting
Ogden's	John Sommer's "Rochester," Metal Key 50% John Sommer's "Rival," Metal Key. 50% John Sommer's "Crescent," Metal Market 50%	Bomis & Cali's Steel	Plain B. M
Door Holders—	John Sommer's "Crescent," Metal	Boss, Screw Pitch	Sash Pull Plates
Empire	John Sommer's "Dismond." Lock 404	Marking, Mortise, etc boartogood 10&10%	Sash Pulls
Door Springs-	John Sommer's "Eclipse," Lock.40&10% John Sommer's "Union," Lock 50% John Sommer's "I. X. L.," Cork	Stanley's 60&10% Stanley's Chisel 20&10%	wood— Auger, assorted
Champion (Coil)	John Sommer's "I. X. L.," Cork Lined		Auger, large
Rubber, complete, \$\psi\$ doz. \$5.50.45@50% Star (Coll), list Oct. '95	Lined	Scratch	\$1.0 : No. 2, \$1.40.60&1 Auger, Ives' Pat., No. 160&1
Torrey's Rod, 89 in., \$ gro\$15.00 Torrey's Rod, 48 in., \$ gro 42.00	John Sommer's "Common." Cork	Stube' Wire and Drill	No. 2 to 8214
Victor, Coll	Lined	Wire, Morse's	Auger, Swan's Pat., \$ set, No. 8, \$1.00; No. 4, \$1.25
Drain Cleaners—	John Sommers Chicago, Cork	Wire, Wheeler, Madden & Co10%	\$1.00; No. 4, \$1.25
Iwan's Adjustable	Lined	Gimlets—	Disston's Crosscut
Drawer Pulls—	John Sommer's "No Brand," Cedar. 50&10%	"Diamond" Gimlets, # gr. \$4.00@\$4.25 Double Cut	Firmer Chisel, Apple, assorted, # gr. \$2.25@2.
Sargent's List	Star60@60&5%	Wood Head	Hammer, Hatchet, Axe, Sledge, etc.,
Drawing Knives-	self measuring—	Swan's, German Pattern 40&10%	Hoe. Rake and Fork . 60&10@60&10&
Adjustable Handle25@25&10%	Enterprise \$\pi\$ doz. \$86.0040% Lane's \$\pi\$ doz. \$86.0040&5@40&10%	Gimlet Bits—	"Simplicity" File Handles, \$ gr. \$.90@1
Bradley's	National Specialty Mfg. Co88145	See Augers and Bits.	Saw and Plane
Jennings & Grimn	Files—	Glass Cutters— "Woodward"net prices	SU(@SU@S
Ohio Tool Co	DOMESTIC—	" Woodward"net prices " Red Devil"net prices	OROSS-CUT SAW HANDLES— Atkins
Witherby	New List, Nov. 1, 1899. American	Globe and Racking Cocks—	Champion
L. & I. J. White20&5@25\$	Arcade	See Faucets.	Hangers— American Trackless883/4.65
Drills and Drill Stocks—	Disston's	Glue— Dodd's Liquid Glue25&25&105	Barn Door, old pattern
Automatic Boring Tools		Le Pages Liquid	Barry, \$6.00
Breast, Bartholomew's	Monthly of 1000	Marting	Challenge Barn Door
		tine Pots—	Cronk's Roller Bearing. No. 0\$4 50 net per doz
Breast, Millers Fails, each \$3.00.15&10% Clamp		Enameled	No. 5 6.50
Petchet Ingersoll's	Second Quanty Free	Graters—	Cronk's Steel, cov'd, Loose Axle.606
Ratchet, Merrill's 20@20&5% Ratchet, Moore's Triple Act 25@30%	StudeStude' list, 30@381/45	Enterprise	Coburn Davis Parlor Door50@500
Ratchet, Fletcher's 40% Ratchet, Whitney's 50% Ratchet, Weston's 20@25%		Griddles — Cronk's70≴	Duplex (Wood Track)60&100
	A COTE	Grindstone Fixtures-	Lane's Barn Door: Barn Door, Standard60&
		P., S. & W. Co50@50&10%	Covered50&10&10
Hand, Goodell's	Mah Macha	Sargent's Patent	No. 50
Wilson's Drill Stocks105		Connerden	Danlon
TWIST DRILLS—	Amer. Fish Hook Co. list 60@60&10% Kirby & Limerick, low list (50c base). 10%		Standard \$ set, net,\$8 25@ - Ball Bearing " 4.00@ - New Model " 2.75@ -
See Augers and Bits. BLACKSMITHS'	Fish Scalers—	Gun Wads-	New Champion " 2.4000 -
Coe's	Covert's Saddlery Works:	See Ammunition. Hafts—	McKinney's "None Better," No. 2,
	Fitch'snet prices	Britton's \$ doz. \$6.50	\$18.00; No. 1 Special, \$15.00, w dozen pairs
Drug Mills— National Specialty Mfg. Co301	Fluting Scissors—	Halters-	Richards' Single Track, Steel40& Richards' Anti-Friction
Enterprise Mfg. Co25@301	List459	Inte Rope Halters	Victor, No. 1, \$15.00; No. 2, \$20.00; No. 3, \$25.00; No. 4, \$35.00, 60&10&2
Easy Lawn Swings— \$\psi\ doz		Sizal Rope	Warner's Patent
Ulrich Mfg. Co \$85.00	Boynton & Plummers60	Wen matters	WINCOM B MEW COMMITTIONS



Harness Snaps— See Snaps,	Special Hoes	Lyra, all sizes	Lawn Sprinklers—
Hasps and Staples-	Sunhem Meadow Hoes	Neponset 40%	Enterprise
McKinney's "Perfect " et 10 29 dos 504	Toy Ladies' and Boys' Hoes. 70&10&10%	Northwestern 25c 28c 22c 21c 20c 25@25&56	Philadelphia Lawn Mower Co.
Vrought	Truck Hoes. 50&10&2% Warren Hoes. 60% Weeding Hoes and Rakes. .75%	Philippin 990 910 Mic 100 100 88122	FulladelDDIa Lawn Norinkier.
Hatchets-	Weeding Hoes and Rakes75%	Vulcan 28c 21c 20c 19c 18c 25&10s	No. 1. No. 2. No. 3. \$ doz. \$12.00 \$15.00 \$24.0030
e Axes.	Hollow Augers—	Horse Shoes—	Leaders
Hay Hooks—	See Augere and Bits.	Horse and Mule, per keg\$8.75	Covert Mfg. Co. Cattle455
mason & Beckley 60&10%	Hollow Ware-	Burden's, all sizes 8.70 Bryden, Phœnix, Ferkins, &c 8.75	Lead Pipe, Etc.
Hay Racks—	RNAMELED-	Diamond State, Shoenberger, Crescent, &c\$3.75&5%	Lead Pipe, full langths
Exter Wrought Iron No. 1 8100	Agate Nickel Steel Ware, list July, 1899	Factory Shipments.	Lead Pipe, cut lengths
net; No. 2, \$1.50, net.	Granica Ware, 11st Jan. 1, 1894, revised	Horse Ties-	Block Tin Pipe. 8714 Sheet Lead, full rolls. 70
Hay and Straw Knives—	Jan. 2, 1895	Covert Mfg. Co.:	prest read cut tolls
aburn Hay, Com. and Spear Point .50% van's Hay, Sickle Edge. \$ doz. net \$10	Second Quality, Granite, 70&10@70&10&10%	Hemp45%	Quantity discount, 20%
net Serrated # doz.	Iron Clad: Peppered Ware, high list70s	Jute	Lemon Squeezers—
nburn Straw	motified ware, high fiet	Wass Balling	Berger Bros. # doz. 8-in. \$1.00; 10-in, \$1.40
adsworth's40%	Never Break Knameled50&5@50&10%	Hose, Rubbey—	Dean 8, Nos. 1, % doz. \$5.50; 2, \$8.85; 8, \$1.65; Queen, \$2.50, ne
Hinges	Ground	Boston Belting Co.: "Boston"	Hotchkise, Straight Flush, W doz. \$2.66, ne Honnings' Star W doz. \$1.90@2.00
WROUGHT IRON HINGES-	Unground70%	Competition. 70% Extra. 60%	Little Giant 50@50&5
olled Blind Hinges, Nos. 82 and 84,	WHITE SNAMELED-WARE-	N. J. Car Spring & Rubber Co.: Extra Para40&10s	Little Glant. 50650&55 Porc. Lined, Iron. \$8.25@\$8.56 Porc. Lined, Wood. \$6.00
olled Plate	Boilers and Saucepans50@50&10% Maslin Kettles70&10@75&5%	Kelladie	Wood, Common, & gross, No. 0, \$5.00:
6 to 12 in., \$ b,	Tinned Boilers and Saucepans,	Staple	No. 1, \$6.50; No. 2, \$10.00.
rew Hook 14 to 90 to 20 %	50@50&10% SILVER-PLATED—	Too Awls Oblamon to	Letter Box Plates-
	4 mo, or 5% cash in 80 days. / Hartford Silver-Plate Co40&5%	Copeland Ice Pick	Name Plate
\$\$ to \$6_in., \$\tilde{\pi}\$ b, \$\frac{234608c}{468c}.	Holmes & Kdwards Silver Co 40&15&54	Crown net	Number Door Plate 60@60&10
STRAP AND T HINGES.	Meriden Britannia Co	Gem Ice Shave net Sargent's Ice Awis 55%	Sargent's
lew List, March 15, 1:01. tht Strap78≴}	Rogers & Brother	Snell's	Levels— C. E. Jennings & Co.'s:
RVV Strap	William Rogers Mfg. Co40&10%		Haxagon os a sub-
ht T	Hooks-	See Freezers, Ice Cream.	Iron Bench, new design 25&10
avy T	AGRICULTURAL-		Lifters— See Transom Lifters.
nge Hasps and Staples 00% grate Hinges 75% late Hasps 60% late Hasps 80% late Hasps 80% late Hasps 100% late H	Potato, all kinds	loe Shredders—	Lines-
ite Hasps 60%	Manure	Enterprise, No. 38. \$4 dos. \$6.0025@30% No. 84. \$4 doz. 15.0025@30%	Cotton and Linen Fish Draner's So-
	BUSE-	Jack Chain—	Cotton Chalk, 90 feet. 60&107 Cotton Trot. 881
banned Heavy Strap	Jennings & Griffin's88⅓&5≴	See Chain.	≪cesons:
	corn-	Jack Screws-	Colored Cotton
panned Heavy T	Kretzinger Cut-Ezy \$8 net	See Screws.	No. 0 to 5
Danned Long Chest 80%	CAST IRON-	Kettles-	Silver Lake, Braided, No. 0, \$6.00
panned Crate Hinges	Bird Cage, Sargent's list60&10&10% Bird Cage, Reading60@60&10%	Spun Brass, Plain	No. 1, \$6.50; No. 2, \$7.00; No. 8,
68.8:10e/	Bird Cage, Williamson50%	Spun Brass, plated inside with White Metal	No. 1, \$6.50; No. 2, \$7.00; No. 3, \$7.50 \$ gross. 25@80\$ Ventilator Cord, Samson Braided,
ivanized Hinges with Brass Pins, 60&10x	Ceiling, Sargent's list	Knives-	White or Drab Cot. 9 doz. \$7.50 20% Wire Clothes, 100 feet, No. 18, \$2.25;
spring hingrs— mmer's Brothers.		Ames':	No. 19, \$2.00; No. 20, \$1.75.
Sommer Spring Hinges 40-	Coat and Hat, Sargent's list 50&10% Coat and Hat, Reading	Bread Knives, \$\psi\$ doz \$1.5020\$ Butcher Knives25\$	Loaded Shells—
Bommer B. B. Floor Hinges 40x rdeley's Patent Checking 15x	Harness, Sargent's list 50@50&10% Lamp	Shoe Knives	See Ammunition.
zent's List. 1894:	Picture75%	Dunlap Kitchen and Bread Knives25%	Locks— DOOR LOCKS, LATCHES, &C.
Bronze Metal	Screw Hat	Foster Bros.' Butcher, &c80% Goodell's:	Branford Lock Co not release
BUBLIDED SUPERCA HONNIA PORTA	WROUGHT IRON AND STEEL-	Bread Knives Ass'n listnet Butchernet	Lockwood Mrg. Co
lodel "02"04 04 10"	Cotton Pat. (N. Y. Mallet & Handle	Shoe Knives	Moore's Elevator Door 40% Norwalk Lock Co 40%
uscan Surface, Single	Cotton Pat. (N. Y. Mallet & Handle Works)	Hay and Straw, see Hay Knives.	Plate 991
	Works)	Table and Pocket, see Cutlery. Wilson's Butcher Knivesnet	Reading Hardware Co
ion Spring Hinge Co.'s List, farch, 1894	Picture, T. & S. Mfg. Co	Knives, Hay and Straw-	Sargent & Co
on Mfg. Co	Wrought Staples, Hooks, &c.	See Hay Knives.	CABINET-
GATE HINGES—	Dec attorem and	Knobs-	Eagle Lock Co. 991/4
rk's. Nos 1 9 8 MAIOGRAPH	MEAT— Enterprise40%	Bardsley's Wood Door, Shutter and	Corbin
E. Reversible 20 dos es co	Humason & Beckley80&10≴	Base, Rubber Tip, 214 in. Bead, # gr. \$1.50	PADLOCKS—
Y. State, \$ doz. \$4.90	WIRE-	Carriage, Jap. # gr. 80c. 60g Door Mineral, R. & E. list. 50g Door Por. Jap'd, 50g Door Por. Nickel, 50g Picture, Judd's 50&10g	Acme Bicycle and Satchel, \$\pi\$ doz., \$9.0040\$
stern, # doz. \$4.2060%	Atlas Coat and Hat	Door Por. Jap'd. "50%	Amer Sword Co
BLIND HINGES -	Crescent, Coat and Hat50&10@60s	Picture, Judd's	Brown's Chain
rk's: ull & Porter, Nos. 0, 1, 114, 2, 214	Wire Coat and Hat, Acme. 50&10@50 &10&5%	Picture, Sargent's	Ragle 40%
all & Porter, Nus. 0, 1, 114, 2, 214, 3	Wire Coat and Hat, Gem50&10@50 &10&5%	Latches-	SCANGINAVIAN ON A OF-
08 1 8 8	Wire Ceiling, Gem50&10@50&10&5% Wire Coat and Hat, Standard45%	♥ doz.	Smith & Egge Bicycle
	MISCELLANEOUS-	Cronk's Barn Door	Wrought Iron
ker	Covert Mfg. Co.:	Lawn Mowers—	TRUNK-
itey a Steel Gravity Blind Hinges	Safety Gate and Scuttle Hooks854 Grass No. 2, \$1.65; 8, \$1.80; 4, \$2.00	Champion	Corbin's 25 & 10s
ith Screws, \$1.80 \$ doz. sets. 80 & 10%	HOOKS and Myes - Brass	Clipper Improved50&10&10&5% Continental60&10%	Eagle
itching Cords— ert Mfg. Co 454	Hooks and Eyes—Mal. Iron70@70&10% Cotton, Box and Hay60@60&10%	Enterprise	Machine Bolts— See Bolts.
00s-	Horse Clippers—	Styles M., S., C., K., T	Mail Boxes—
Goods Association List, Aug. 1,	See Clippers.	Style E., Low Wheel60&10%	See Boxes, Mail.
balt Hoes es	Horse Nails—	Style E., High Wheel	Mallets-
halt Hoes	Nos. 6 7 8 9 10	Gold Coins, low list	Sargent's List: Hickory50@50&10\$
on Chopper Hoes75&10&716g den Hoes75&5	A. C25c 23c 22c 21c 21c 40&10s	Imperial	Lignumvitæ50@50&10g
ev Hoes65%	American, all sizes	New Departure, Low Wheel75%	Mattocks—
	A USA DIE 28C 26C 25C 24C 28C 50x	New Easy	Cronk's Garden
Steel Edge Hoes 25&10&7143	Anchor 28c 21c 20c 19c 18c 40% C. B. K 25c 23c 22c 21c 21c 40%	Pasume: 12 in. 14 in. 16 in.	Meat Cutters-
dow and Rhode Island Hoes, 75&	Capewell 19c 18c 17c 16c 16c 10&5s	\$6.00 \$6.25 \$6.50 each net Pennsylvania	
5.691.44			
Tar and Street Hoes75&716&24	Champlain 28c 26c 25c 24c 23c 40&5&2%	Racine60%	Esch. \$5 \$7 \$10 \$25 \$50 \$60
Tar and Street Hoes75&716&94		Racine 60% Rapid Transit 70 & 10% Standard 60 & 5%	American. 30g Nos. 1 2 8 B 5 Esch. \$5 \$7 \$10 \$25 \$50 \$20 Dixon's. 37 doz. 331/45 Nos. 1 2 3 4

OCTOBER 25, 1901.	
Section Sect	E
Nos 305 310 312 320 322 Nos 305 344 372 368	1
Miles' Challenge, \$\doz	1
Woodruff's, \$\dot doz	•
Chadborn's Smoked Dear Cutter # doz. \$60.00	2
Enterprise	1
Magnolia Metal Co.:	1
Melting Ladles—	
Monroe's Patent	
Mitre Boxes— C. E. Jenninge & Co	
Mop Wringers— # Acthless (Canton, O.), # doz\$12.00	
COFFEE MILL Specialty Novelty Coeach \$5.00 Nails	
WIRE AND CUT NAILS— See Review of the Markets for quotations. See Nails and Reads Panetrell. Ass'n	
list, Jaiy, 1899	
# FURRITURE — 10% Antique Bronze	
Nail Pullers	
Bureka, No. 75. 9 doz. net 8.00 Glant, No. 1, 9 doz. \$18.00; No. 11/5 \$16.50; No. 2, \$15.00 Lightning 9 doz. \$18.00, 20% National 9 doz. \$18.00, 20%	
Scranton Improved, in Case Lots: Small, No. 3. \$\frac{1}{2}\$ doz. \$5.00 No. 8 B. \$\frac{1}{2}\$ doz. 5.00 No. 8 D. \$\frac{1}{2}\$ doz. 5.00 Large, No. 1. \$\frac{1}{2}\$ doz. 5.75 No. 2 B. \$\frac{1}{2}\$ doz. 5.50 No. 2 D. \$\frac{1}{2}\$ doz. 4.60	
Nail Sets -	
Buck Bros	
Hunters' Cup Point, Knurled Hunters' Cup Point, Plain 9.00 4.00@4.78 Round, assorted 8.00@3.28 Gquare 4.00@4 78 Corrugated 6.56 Knurled 9.00 9.0	•
Nippers	
Nut Crackers— # gro Acme, Japanned	
Nuts— Off list Hot pressed, square, blank	00000
tapped 5.8	U.

HARDV
Oilers— Brass and Copper
Perfect Oilers
Steel
Maileable, Hammers, Old Pattern, Same list
Oil Stones, etc.—
OIL STONES— Pike's Washita: Lily White, % b
6x2
34x1 5.50 Discount, 83462108. Pike's Washita Axe Stones: About 3x3x34 to 114, 9 b 34 About 3x3x34, extra selected 40 Discount, 83468. India Oil Stones 35683345
Packing, Steam— RUBBER—
Boston Belting Co.: "Boston"
WT00777 A W POTTS- #8 Th
American Packing 9c@10c Cotton Packing 18c@14c Italian Packing 1054c@12c Jute 5c@054c Russian Packing 120@1854c Padlocks—
See Locks. Parers— APPLE— \$\text{dos}.
Advance \$ 4.50 Baldwin 5.00 Bonanza each 5.00 Dandy each 7.50 Eureka, 1998 each 16.00 Family Bay State 12.00 Improved Bay State \$27@80.00 Little Star 4.00
Improved Bay State
New Lightning
POTATO— \$ dos. Saratoga \$5.50 White Mountain 4.50
Pencils— Dixon's: \$ gro. Carpenter's
Lumber 6.87 Mascot, Hexagon 8.75 Mascot, Round 8.10 Percussion Caps—
See Ammunition Picks—
Railroad or Adze Kye, 5 to 6, \$12.00. 6 to 7, \$13.0060&10@60&10&10 Planes and Plane Irons—
wood PLANES— Bailey's (Stanley R. & L. Co.) 50&10@60g Bench, First Quality
IRON PLANES— Chaplin's Iron Planes
Bailey's
PLANE IRONS— Auburn "Thistle"
Sandusky

Pliers and Nippers-	Hay Fork, Swive
Sutton's	Hay Fork, Swive 4-inch, \$8.75; 6-in Hay Fork, Hartz, 4
ronk's:	\$6.00 Hay Fork, 5-inch, 8 Hot House
Button Pattern	Hot House
Flat and Round Nose40%	
Fronk's: 70% Button Pattern 70% Fencing Pliers, \$\\$ doz. \$12.00 255 Flat and Round Nose 40% Gas Pliers, No. 100 40% Stubb's Pat. Pliers 50% Wire Cutter and Render 60%	9 doz., \$13.00 Side, Anti Friction Shade Rack
Wire Cutter and Bender60%	Upright
Studo's Fat. Tiers Wire Cutter and Bender	_
Hall's Pliers	Pumps—
	Cistern, Best Grade Pitcher Spout, Best F. E. Myers & Bro.
Wm. Johnson's Gas Pliers	F. E. Myers & Bro.
P. S. & W. Cast Steel50@50&5%	Well Pump
Morrill's Farantel, with 15 to	No. 8, Fig. 828, 8 Well Pump
	No. 1, Fig. 828, Well Pump No. 8, Fig. 828, 8 Well Pump No. 5, Fig. 807, 8
Plow Bolts—	No. 614, Fig. 807
See Bolts.	Well Pump No. 14, Fig. 521, Shallow Well P
Plumbs and Levels-	Shallow Well P
Cook's 40&10&10 Davis':	
inclinometers	Pump No. 56, Fig. 881, Well Pump No. 59, Fig. 883, 8
Iron Levels	No. 59, Fig. 882, 8
Machinists'	Well Pump No. 70, Fig. 83 Well Pump No. 72, Fig. 888, 8
Stanley's70&10@70&10&10%	Well Pump
Stratton's Pat	No. 72, Fig. 888, 8
Wood's Extension Sight	Pump No. 78, Fig. 888 Well Pump
Poachers—	NO. 10%, FIE. W
See Egg Poachers.	Pump No. 108, Fig. 4
Police Goods-	Pump No. 128, Fig. 5
Tower & Lyon's 25%	No. 128, Fig. 5
Polish Metal—	Pump No. 181, Fig. 5
Prestoline Liquid, New List408	No. 325, Fig.
Prestoline Liquid, New List	Pump No. 285, Fig.
	Pump
© gross . 4.50 14.1b. boxes, ♥ dos . 1.25 1.1b. boxes, ♥ dos . 2.25 1.1b. boxes, ♥ doz . 1.35 1.25 □ gross . 12.00 Barkeeper's Friend Metal Polish, 20 dos . 1.75	Pump No. 240, Fig. Pump
1 lb. boxes, 4 dos 2.25	No. 340, Fig. 579 Force Pump No. 265, Fig. 579 Force Pump . No. 267, Fig. 48 Force Pump . No. 368, Fig. 5 Tank Force P. No. 309, Fig. 47
© gross	No. 267, Fig. 48
Barkeeper's Friend Metal Polish,	Force Pump.
₩ doz	Tank Force P
Polish, Stove-	complete
Dixon's Plumbago	No. 820. Fig. 495
Joseph Dixon's	Pump No. 830, Fig. Spray Pump
	Spray Pump Discount, 50s
Poppers, Corn— Round or square, \$\pi\ \dos. \pi gro. 75 \$ 7.00	
Round or square, \$405. \$77.00 1 qt	Punches—
116 qt 1.15 10.50	Bemis & Call Co. Cast Steel Drive
2 qt	Check
Post Hole Diggers— \$ dos.	Spring Springfield Soc Morrill's Universa
Diaston's Samson Digger\$34.00, 25%	Morrill's Universa Niagara Hollow .
Diaston's Samson Digger\$34.00, 25% Iwan's Split Handle, & doz. net\$8.50 Iwan's Perfection, & doz. net\$9.00	Niagara Solid
Ryan's \$\times \text{doz. \$20.00, 255}	Saddlers' or Drive Spell's Tippers'
Post Hole Augers—	Snell's Tinners' Spring, good quall Spring, Leach's P Tinners' Solid,
Teron's Detent Improved	Tinners' Solid,
Vaughan's, 6 to 9 in., \$6.00	Finners' Hollow,
Potato Hooks, etc.—	
Hoe Down Hooks	Rail—
Potato Hooks707	Barn Door, Light
Powder-	Barn Door, "No
See Ammunition.	Barn Door, "No
Presses. See Fruit and Jelly Presses.	R D for N. R. H
	Angular, & foo Double Flange,
Primers— See Ammunition.	Carrier Steel Rai
Pruning Hooks and Shears—	Cronk's: O. N. T. Style, Double Braced
m / Ob 901/d	Double Braced
Cronk's Pruning Snears	Lane's: O. N. T., 1 in .
and Saw 19 doz., \$18.00, 25@25&10\$	O. N. T., 1 in . O. N. T., 1½ it Standard, 1½ it
Disston's Pruning Hook, \$\pi \text{doz.}, \$12.00, 25\pi 25\&10\(\frac{1}{2}\)	Stowell's Wrough
Delity B.	Stowell's Wroug Sliding Door, Iron, # foot Sliding Door, S
Orange	Sliding Door, S
	40 1000 · · · · · ·
Tree Pruners	₩ ib, 36c Victor Track Rai
P. S. & W. Co.'s Shears 60% Waters' Tree Priners	A 10001 TARCE 1981
Wheeler, M. & C. Co.'s Combina-	Rakes, Etc
tion	Wrought Steel
Pulleys-	Queen City La
Awning	Queen City La Steel Garden Ra Steel Garden Ra
Brass Screw	Steel Road Rake Steel Tar or Asp
Clothes Line, Japanned	Turf Edger Prize Bow Brace
Awing. Axie	Prize Bow Brace Peerless Shank
Fox-all-steel: Nos. 3 & 7, 2½-inch wheel, \$\vartheta\$ doz200 No. 9, 134-inch wheel, \$\vartheta\$ doz200 No. 10, \$\vartheta\$-inch wheel, \$\vartheta\$ doz200 Extra for plated finish, \$\vartheta\$ doz200 Extra for antique bronze bushing,	Level Head Sha
No. 9, 134-inch wheel, \$\pi doz200	Rasps, Hors
Extra for plated finish, & doz200	Disston's New Nicholson
Extra for antique bronze hushing,	New Nicholson l See also Files.

1	Hay Fork, Swivel Eye, ♥ GOZ., 4-inch, \$3.75; 6-inch, \$5.0055 Hay Fork, Hartz, 4½-inch, ₱ doz., \$5.00
1	Hay Fork, Hartz, 414-inch, & doz., \$6.00
1	Hay Fork, 5-inch, Solid, \$5.70 50% Hot House 50&10@50&10&10%
	# doz., \$12.0040%
£	Side, Anti Friction
ı	Jpright50&10@50&10&10%
	Pumps—
1	Cistern, Best Grades 50&10@60% Pitcher Spout, Best Grades 70&10% F. E. Myers & Bro.:
1	F. E. Myers & Bro.: No. 1, Fig. 828, 8 in. Shallow
	No. 1, Fig. 328, 3 in. Shallow Well Pump
	No. 5 Fig. 807. 8 in. Deep Well
	No. 614. Fig. 807, 814 in. Deep
	Well Pump
	Shallow Well Pump 15.00
	Shallow Well Pump No. 83, Fig. 523, 8 in. Deep Well Pump. 17.09 No. 56, Fig. 381, 8 in. Shallow Well Pump. 14.00 No. 59, Fig. 383, 8 in. Shallow Well Pump. 17.00
	Well Pump
	Well Pump
	Well Pump 15.00
	Pump
	No. 78, Fig. 838, 3½ in. Deep Well Pump
	No. 108, Fig. 448, 8 Inch Lift Pump
	No. 108, Fig. 448, 8% in. Lift Pump
	Pump
	Pump
	Pump. 8.50 No. 225, Fig. 389, Windmill Pump. 12.59
	Pump
	Pump 16 00 No. 940, Fig. 406, Regulator Pump 28.00
	No. 240, Fig. 408, Regulator Pump
	No. 267, Fig. 488, Geyser Tank Force Pump. 16.00
	No. 268, Fig. 518, Low Down Tank Force Pump. 16.00
	No. 308, Fig. 477, Spray Pump,
	No. 320, Fig. 492, Bucket Spray
	Pump. 5.00 No. 880, Fig. 547, Knapeack
	Pump 5.00 No. 850, Fig. 547, Knapeack Spray Pump 10.00 Discount, 50% f. o. b. Ashland.
	Punches-
	Bemis & Call Co.'s:
	Cast Steel Drive50&5% Check55%
	Check
	Morrill's Universal
	Morrill's Universal Niagara Hollow
	Saddlers' or Drive, good
	Spring, Leach's Pat
	Tinners' Hollow, P. S. & W. Co.,
	Rail—
	Barn Door, Light, In. 14 56 24 3 100 feet\$1.40 1 1 53 2 60 Barn Door, "None Better" No. 1, \$1 foot
	8 foot
	3 foot
	Barn Door, "None Better" No. 2,
	Carrier Steel Rail, \$ foot41cc Cronk's: \$ foot.
	U. N. 1. Style, 110. 10.
	Double Braced
	0. N. T., 1½ in
	Stowell's Wrought Steel 85%
:	Iron, 9 foot
	# foot
	# h, 36c
•	Rakes, Etc.— Cronk's:
	Wrought Steel Garden60 & 20 \$ Oneen City Lawn
,	Steel Garden Rakes70&5&9%
	Steel Road Rakes Stamped Diana. 1878
•	Turf Edger
* * * * *	Peerless Shank
	Wrought Steel Garden 60.22% Queen City Lawn. 40% Steel Garden Rakes
0	Rasps, Horse—
C	Disston's
	NAW NICHOLSON HOTSE MASD



			GG1022K 25, 1901
Razors—	Samson: "Mass." White, Cotton2214@24	Saw Sets-	Drive Screws, Diamond Point.8714@90
Electric List no "John Engstrom" net price	bamson Braided White, Cotton	Criterion Saw Sats 20 doz &8 0	Iron, Bright Flat Head 8746.90 Iron, Bright Round and Oval Head
Wostenholm and Butcher, \$10.00 to	"Samson" Braided Drab, Cotton	Excelsior Saw Tools doz. 6.0	85@8714; Nickel Plated, Iron Flat Head. 75@80
2 10	Samson" Braided Italian Hemp	Cross Cut	4
Registers and Ventilators—	"Samson" Braided Linen # b.50@55 Silver Lake:	Plate. 20 Spring Hammer 80&55	***
HOT AIR-	A Quality Drah 20 m 40 m	→ Dission's Monarch Nos 1 & 10 and	List. January 1, 1898.
New List, Sept. 2, 1901: Black Japanned70	A Quality, White		Brass, Flat Head 50 Brass, Round Head 50 Iron, Flat Head 50
Bronzed Finishes	United States:	"Giant Royal" 20 doz 20 00	Iron, Flat Head
Nickel Plated	C Quality 10 1714	. Lebch 8	
White Porcelain	Cotton, Maid Braided & ID 186	No. 1, \$15.00; No. 10, \$15.50; No. 11.	COACH, LAG AND HAND RAIL—
	Sash Fasteners, Holders, &c.	Cross Cuts Nos. 8 and 4, \$28.00; No.	G. P. Coach. List, Feb. 14, 1895.
Rings— See Bull and Hog Rings.	Sash Lifts composite	Richardson's	Hand Rail
	Sash Lifts With Lock Son 10 510	Seymour Smith & Son, Hammer	Cone Point
Rivets and Burrs—	Shutter Rers enamed	Tairtora Positiva #19.00 29 dos #09	Bench, Hand, etc.—
Belt with Burrs40&5@40&10; Hose with Burrs40&5@40&10;	Shutter Sheaves		Bench, Iron, # doz., 1 in., \$3.25;
IRON-		DOMIGS-	1%, \$8.50; 1¼, \$4.25 Bench, Wood, Beech 29.40
List, Nov. 1, 1894.	Sash Locks-	Chatillon's: Eureka25%	Hand Wood
Thousand in bulk	Champion Meeting Rail	Grocers' Trip Scales	Jack Screws, Millers Falls, Roller Bearing 50%
Coopers' in bulk	Davir, Dronze, Barnes Mfg. Co50%	Family, Turnbull's30@80&10% Hatch:	
Block and Carriage, in papers 70s Hame 70s			Roller Bearing
Hame	Bronze and Brass	Union Platform Plain 2.00@ 2.10	Jack Screws, Sargent's
Rivet Sets-	Ives' Patent: Wrought Stool	Surped 2.10@ 2.25	
egular List	Wrought Steel	Scale Beams-	Scroll Saws-
Rollers	Wrought Bronze and Brass55&5% Cast Bronze and Brass65%	Chatillon's No. 1	Barnes' No. 1, \$8; No. 6, \$10; No. 7, \$15
ane's, Stay881/45	Payson's Perfect	Cuatinoff # 140.5	
· ·	Reading60&10%	Scrapers, &c.—	C. E. Jennings & Co. 2566 Bester, complete, \$10.00. 15&1056
Rope	Sash Weights-	Adjustable Box Scraper (S. R. & L.	Rogers, complete, \$4.00
Cotton Rope, Best, 5 in 14 inch and larger. 14c Medium, 14 in. and larger. 12c Common 14 in and larger. 12c	Small lots 20 ton \$05.00	Co.) \$6.00	a.
	Ton lots at factory\$20.00@22.50	Foot St. kept se	Scythos, Grass— ¥ doz.
A grade.	Sausage Stuffers or Fillers-	Ship Common	Natural Finish \$7.50@\$7.75 Polished Blade 8.00@ 8.15
C grade	Draw Cut. No. 4 each ean on one	SIDEWALK—	Painted or Bronzed 8.00 Weed and Bush 7.25@ 7.50
7-16 in and lerger	Enterprise Mfg. Co25@25&7143 National Specialty Mfg. Co25%	Kohler's, Steel No. 7 # doz. \$8.00	_
74 in	Decision Mig. Co205	•	Seeders-
7-16 in and leases	Saws-	Screens—	Raisin, Enterprise
7-16 in. and larger 8 c 34 in 814c 34 and 5-16 in 9 c	Atkins: Band 7 to 14 in. Wide	Phillips: 28 dos	Share-
34 and 5-16 in 9 c	Band 2 to 6 in. Wide	% in., Style E, Fancy Screen	Shears— Acmy (Cast)
Bules—	Duviller, Fruiting and Comman Andre	Doors\$10.00 %in. Style G, Common Screen	Acme (Cast)
thol, Steel	Circular	Moin., Style K, Fancy Screen	Ætna, Steel Nickeled
1/kin's:	Gang	Modern Mo	N. P. Straight Trimmers
Steel	Disston's:	Doors 8.50	
arrett's Rules and Charles and Charles	Circular, Solid and Inserted Tooth 50% Band 8 in. to 14 in. Wide60%	WINDOW-	Heinisch's:
Steel25&10	Cross Cuts. 10 xys In	Porter Screen Mfg. Co60@60&5% Phillips:	St. Trimmers, etc60&10@60&10&10& Tailors' Shears
Sad Irons	Mulay, Mill and Drag	Bonanga Screens	Tinners' Snips. 40x Pruning. See Pr'ning Hooks & Shears.
inese Laundry # 15 414c	Framed Wood Saws. 85% Wood Saw Blades. 40%	Perfection Screens 8036025	Seymonr's Standard List: Japanned
OWD. Polished		Northwest	Nickeled
own, Nickel	Hand Saws, Nos. 12, 99, 9, 16, D100, D8, 190, 76, 77, 8. 95, Hand Saws, Nos. 7, 107, 10734, 8, 1,	Wildow Scieen Frames60&10%	Standard Cutlery Co.: Japanned
COLD HANDLED-	Hand Saws, Nos. 7, 107, 10714, 8, 1, 0, 00, Combination	Screw Drivers—	Star Brand:
ternrice Men Co	tail Ac	Brace Screw Drivers 25&10&5% Buck Bros	Nickel Scissors
1-heating Teilers 2 002. \$10.00, 205	Haines' Needle Point		Japan Shears
sible Polished W doz. \$7.00	Butcher	Champion	Pruners
nsible, Tailors'# doz. 6.50	Hand Panel, Rip and other Saws	Electric Spiral No. 01 86.00 net	
	Orago.	MICCUIC SPIRAL NO. UZ . WI doz. K do net	~•
afety Fuse—	Peace: 25@30%		Shears, Hedge—
	Cross Cuts	Braze Hol Hale Sock N	Wm. Wilkinson & Sons50s
Fuse.	Peace: Cross Cuts	Fray's Hol. Hdle. Sets. No. 8 \$12, 50% Howard-Allard \$4 % doz., \$9.00 net	· —
Fuse. Safety Lifts	Peace:	Howard-Allard Steep No. 3. \$12,50g Howard-Allard A2 & doz., \$9.00 net C. E. Jennings & Co. 40&10g Jennings & Griffin 689g Jones Reversible Spiral No. 1. 22 doz.	· —
Pruse.	Peace: Cross Cuts	Fray's Hol. Hdle. Sets, No. 3. \$12,50% Howard-Allard Al # doz., \$9.00 net C. E. Jennings & Co. 40&10% Jennings & Griffin 40&20 Jennings & Griffin 40&20 Jense Reversible Spiral No. 1, # doz. \$18.50 net; No. 2 # doz \$12.00	Wm. Wilkinson & Sons
Fuse. Safety Lifts— rr Mfg. Co., Steel	Peace:	### Tray's Hol. Hdle. Sets, No. 3. \$12, 50% Howard-Allard Al # doz., \$9.00 net C. R. Jennings & Godon & 40&10% Jones Reversible Spiral No. 1, # doz. \$18.50 net; No. 2 # doz \$12.00 \$18.50 net; No. 2 # doz \$12.00 \$18.50 net; No. 2 # doz \$12.00 \$0.1 Forg. Blade 50&10@50&10&50&10	Wm. Wilkinson & Sons
Safety Lifts— rr Mfg. Co., Steel	Peace: Cross Cuts	Fray's Hol. Hdle. Sets, No. 3. \$12,50% Howard-Allard	Wm. Wilkinson & Sons
Safety Lifts— IT Mfg. Co., Steel	Peace:	Howard-Allard Al 2 doz., \$9.00 net C. E. Jennings & Co 40&10g Jennings & Griffin Jones Reversible Spiral No. 1, \$2 doz. \$12.00 sargent & Co \$12.00 sargent & C	Wm. Wilkinson & Sons
### Pruse. Safety Lifts	Peace: Cross Cuts	### Tray's Hol. Hdle. Sets, No. 3. \$12, 50% Howard-Allard	Wm. Wilkinson & Sons
afety Lifts— rr Mfg. Co., Steel	Peace: Cross Cuts	### Tray's Hol. Hdle. Sets, No. 3. \$12,50% Howard-Allard	Wm. Wilkinson & Sons
### Fuse, ###################################	Peace: Cross Cuts	### Tray's Hol. Hdle. Sets, No. 3. \$12, 50% Howard-Allard	Wm. Wilkinson & Sons
afety Lifts— In Mig. Co., Steel	Peace: Cross Cuts	### Tray's Hol. Hdle. Sets, No. 3. \$12,50% Howard-Allard	Wm. Wilkinson & Sons
### Process ### P	Peace: Cross Cuts	### Tray's Hol. Hdle. Sets, No. 3. \$12,50% Howard-Allard	Wm. Wilkinson & Sons
### Fuse. #### Fuse. #### Fuse. #### Fuse. #### Fuse. ### Fuse. #### Fuse. #### Fuse. #### Fuse. #### Fuse. #### Fuse. #### Fuse. ##### Fuse. ##### Fuse. ##### Fuse. ###################################	Peace: Cross Cuts	Fray's Hol. Hdle. Sets, No. 3. \$12, 50% Howard-Allard	Wm. Wilkinson & Sons
### ### ##############################	Peace: Cross Cuts	### Tray's Hol. Hdle. Sets, No. 3. \$12,50% Howard-Allard	Wm. Wilkinson & Sons
### Safety Lifts— ### In Mrg. Co., Steel	Peace: Cross Cuts	### Tray's Hol. Hdle. Sets, No. 3. \$12,50% Howard-Allard	Wm. Wilkinson & Sons
### ### ### ### ### ### ### ### ### ##	Peace: Cross Cuts	### Tray's Hol. Hdle. Sets, No. 3. \$12, 50% Howard-Allard	Wm. Wilkinson & Sons
Safety Fuse— se Fuse. Safety Lifts— arr Mfg. Co., Steel	Peace: Cross Cuts	### Tray's Hol. Hdle. Sets, No. 3. \$12, 50% Howard-Allard	Wm. Wilkinson & Sons

Shovels and Spades—	SILVER PLATED PLAT WARE—	Swedes Iron Tacks:	Nellis Forkeach, 1.60 New Myers Iron Rod Car 8.25
Association prices to small trade. No. 2, Polished, Square or Round	L. Boardman & Son Catalogue "C" net List	S. S	Reed Wood Frame Pulley with
Point, D or L Handle: A1, B2,	** 1847*** AO & 10d	Common and Patent Brads70&10%	Hook, Fig. 434
1st Grade. 2d Grade	"Anchor" 50&10% "Eagle" 50&10% "Star" 50&10%	Finishing Nails	Rev. Car., Wood Track 8.25 Rope Hitch
Strap Back 9.90 9.00	Rogers, Smith & Co	Hungarian Nails, Steel80&15%	Single Rail Car, Single Steel T 8.50 Single Rail Steel Track with
Cleveland Pattern, 10.20 9.80 C8, D4,	Rogers & Hamilton	Lace Tacks: 90&40x	Sprout's Shear Fork, each
8d Grade. 4th Grade Plain Back \$8.70 \$8.10	German Silver, unplated50%	Looking Glass Tacks	Steel Frame Pulley with Iron Sheave, Fig. 565, & doz 1.85
Strap Back 8.10 7.50 Cleveland Pattern 8.40 7.80	knives and forks no. 12-	S. S 90&80%	Sure Grip Sling Car, Steel or Wood _Track
All other sizes, add 30c. doz. Black, deduct 80c. doz.	₩ doz. net.	Trunk and Clout Nails: Steel, Black80&5%	Walker Fork, each
2202, 40440, 000, 402.	"1847"\$3.50 "Anchor"8.25	Steel, Tinned	Wrought Rafter Brackets, ¥ doz40
Shovels and Tongs-	"Anchor" 8.25 "Eagle" 8.25 "Star" 8.25	8.890&40%	Marana - 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Brass Head60&10@60&10&10%	Rogers, Smith & Co. 8.25 Rogers & Hamilton 8.25	miscellaneous-	Transom Lifters—
Iron Head60&10@60&10&5%	Holmes & Edwards 8.00	Double Point, in dozens,	Ajax
Shutter Bars—	Garata an	90&10&10&10&10&10&10% Double Point, in bulk80%	50@50&10\$ Crescent
Ives'	Springs See Door Springs.	Matting80%	Nickel Plated50&10\$
	See Door Springs.	Shade, in dozens90&10&10% Shade, in bulk80%	Payson's Solid Grip, Nos. 308 and 304, \$100
Shutter Bolts—	Spring Balances—		Shaw's:
See Bolts, Shutter.	See Balances.	Tack Pullers -	Copper Finished
		Columbia, No. 1, 2 doz., net\$1.00	•
Sifters, Flour—	Spring Hinges-	Columbia, No. 2, 4 doz., net 1.50 Little Jack	Traps—
Hunter's Genuine₩ gross, \$10@\$11.50	See Hinges.		FLY—
	Squares—	Tapes, Measuring—	Balloon # doz. \$1.25, # gro. \$12.00 Globe # doz. 1.25, # gro. 12 00
Skate Sharpeners—	Disston's Try Square and T Bevels,	American Asses' Skin40&10@50%	Globe♥ doz. 1.25, ♥ gro. 12 00 Harper♥ doz. 1.40, ♥ gro. 15.00
Bureka \$\Phi\$ doz. \$1.75; \$\Phi\$ gro. \$18.00	60&10%	Leather Case	
	Starrett's Micrometer Caliper Squares,	Chestermans	GAME—
Slaw and Kraut Cutters-	Try Square and T Bevel60&10 @60&10&10%	Steel and Metallic	Star, Blake's Pattern60&10&10% Enterprise Mole
Disston's: Slaw, Vegetable, Corn Grater, Tur-	Winterbottom's Try and Mitre40&10% Nickel-Plated. New List Jan. 5,	Lufkin's Steel and Metallic80@38165	H. & N
nip Shredder	1900,	Tap Borers	Victor
Kraut Cutters, 86x12, 40x1840x Enterprise25@30x	Sect and from	See Borers, Tap.	
Enterprise Mfg. Co25%	Staples-	2002000, 202	MOUSE AND RAT-
Tucker & Dorsey: 1 Knife	Barbed Blind-14, 56, and 34 inch,	Taps—	Erie Rat
2 Knives	\$9 1b8⅓c.@9c.	American Screw Co.: Machine Screw70%	Metallic Mouse
Woodrough & McParlin40%	Pence—	Holroyd & Co.'s:	New Rat
•	Same price as Barb Wire. See Trade	Blacksmiths 60@65&5% Machine Screw 70&10@75%	Mouse, Bonanza, # doz90c@\$1.00 Mouse, Catch-'em-alive, # doz. \$2.50, 15%
Sledges and Heavy Hammers-	Report.	Machiniata' Hang	Mouse, Delusion
See Hammers.	Stay Rollers-	Pipe, 16 to 116	Mouse, Round Wire, \$\forall doz\$1.00, 10\$\times Mouse, Wood, Choker, \$\forall doz. holes,
Ø14.com	· · · · · · · · · · · · · · · · · · ·	_	9@10c
Slicers—	Cronk's, No. 50	Thumb Latches	Marty French Rat and Mouse Traps (Genuine):
Vegetable, Enterprise25%	** No. 65	See Handles.	No. 1, Rat, each \$1.18, \$\doz\$12.00 No. 8, Rat, \$\doz., \$6.00; case of 50
Smiths' Bellows—	043-	Tinwaré-	of 50 5.25 No. 834, Rat, \$\text{ doz., \$4.75; case}
See Bellows.	Steels—	Stamped, Japanned and Pieced,	0179
	Chatilion's	Net Prices.	of 72 2.75
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Anchor (T. & S. Mfg. Co.)	BICYCLE-	See Bolts.	Schuyler Rat Killer, No. 1, \$2 gro., \$15.00; No. 2, \$2 gro\$15.00
Fitch's: Bolt	Holroyd & Co85%	m 1 G	\$15.00; No. 2, \$ gro. \$15.00 Mouse, No. 3 9.00 Smith & Egge Mfg. Co.: \$ dos. Superior Rat Trap \$15.00 Superior Rat Trap \$15.00
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Bargent's: Patent Guarded66%	PIPE MAKERS-	Manageral Dalmas	Disston's: Brick and Pointing80%
Covered Spring	Holroyd & Co75&10@80%	Trammel Points—	Plastering
Breast Strap Protector	-	Backus and Union	C. E. Jennings & Co.:
Double for Bits or Trace Carrier 45% Trojan Snaps	Stones—	Margant's	Plastering25%
High Grade Snaps	See Oilstones.	Stanlay's	Pointing
Derby Snaps	Stops-	Tower & Lyon	"Rose" Brick, Plastering and Mould-
Rope Snaps40%	See Bench Stops.		ers
Snaths—	Store Door Handles—	Tracks, &c.—	
Bcythe	See Handles.	F. E. Myers & Bro.: Comb. Car, Double Steel T\$3.50	Vegetable Slicers
	Stove Bolts-	Comb. Car, Wood Track 8.26 Common 6 in. Wood Sheave Pulley.	Enterprise Mfg. Co25%
Soldering Irons—	See Bolts.	Fig. 488	
Govert Mfg. Co	Dotte.	D. H. Fork. Steel Regulareach, .85 Double Grapple Forkeach, 8.50	Vises— Solid Box40&10@50≴
-	Stove Polish—	Double Rail Steel Track, complete with clamps	V. W. & W
Spoke Shaves—	See Polish, Stove.	Faultless Steel Frame K. P. Pulley,	Fisher-Norris 15&10\$ Armstrong's:
Bailey's (Stanley R. & L. Co.) 50&10%	Sweepers—	Fig. 485	Combination
iron	See Carpet Sweepers.	Pulley, Fig. 485	Plain and Hinge
Seymour Smith & Sons, Iron	Tackle Blocks—		Adams, Dismond
Wood, Best	See Blocks.	Hanging Hooks for Double Steel	Fisher & Norris Double Screw15% Holland's
over or desire		Hanging Hooks for Single Steel	Howard's 40% Little Glant Bench 25&10%
Spoons and Forks—	Tacks, Brads, &c.	Hanging Hooks for Wood Track.	Lowell Hand88165
Roardman's:	List Jan. 15, 1899. American Cut Tacks90&25%	Hanging Hooks for Wood Track,	Massey: Perfect15@20g
Britannia Spoons, Catalogue "C"	S. S. Cut Tacks	10 in	Clincher
Nickel Silver, Catalogue "C" net. List	American, Blued90&10&10&10	Fig. 876	Planer
net, List	American, Tinned 90&10&10&10%	manusule natur Discrets, 7 uos40	Como, I iba



Wasahaa

Millers Falls:	Wire Gauges-
Mechanics'net@10% Oval Slide50&10% Ball Clamp45%	See Gauges.
Gravity net Hand	Wire and Wire Goods-
Moore's20%	Brass Wire
Phenix	Bright Wire Goods, New List85&10 Cast Steel Wire50
Bargent's40%	Copper Wire
Simpson's Adjustable 40%	Annealed and Tinned on Spools70
Stephens25@831/64	Brass and Copper on Spools
Trenton	Spooled Wire, ass'd for Retailing70 Market Wire, Bright and Annealed:
SAW FILERS-	Nos. 6 to 9
Bonney's No. 2, \$15.0040&10@50%	Nos. 19 to 26
Cincinnati	Coppered and Galvanized:
Cincinnati	Nos. 6 to 9
Stearns Rubber Jaw. Nos. 10 and 88.	Nos. 10 to 18
Wentworth's	Tinned:
	Nos. 6 to 14
WW - A -	Nos. 15 to 18
Wads-	Nos. 19 to 26
See Ammunition.	Nos. 27 to 36
	Steel Music Wire, Nos. 12 to 80, Im-
Wagon Jacks—	ported \$ 15. 60@70
Covert Mfg. Co.'s, Steel45%	Steel Music Wire, Nos. 12 to 30, Imported
Lane's Steel	
	Wire Clothes Lines
Washer Cutters-	See Lines.
Otis A. Smith's90&10&10%	Wire Cloth, Netting, &c
Well Wheels-	Galvanized Wire Netting 80&10@80&20 Painted Screen Cloth, good quality,
Japanned, 8 to 14 inches70%	₩ 100 sq. ft. \$1.00@1.1
Weed Extractors-	Wire Rope—
4º Pastime ** 💝 doz. \$1.75 net	New List July 1, 1890. Cost Steel
Window Cleaners—	Iron, Galvanized
Barnes Mfg. Co40%	
Clayton's25&10%	Wire Rope Clips—
	Crosby
Window Stop Adjusters—	
	Wire Stretchers-
Ives' New List	
Taplin's "Perfection" 50%	W. C. Heller's Grip \$ doz. \$1.5

Wrenches-	Boardman's		
Agricultural	Coes':		
Aiken's Pocket (Bright) \$2.00@\$8.90 Alligator 70%	Genuine		
Baxter's			
Bemis & Call's:	Coes' Pattern, Wrought Bar60&5@		
Briggs Pattern80&10%	c0&10¢		
No. 9 Cylinder	Donohue's Engineer		
No. 8 Pipe, Bright 50% Patent Combination Black 40&5%	Gem		
Patent Combination Bright40%	Stillson Pipe		
Bicycle:	Taylor Pipe and Nut40%		
Club	Acme		
Superior 40% Featherweight 40%	Hercules		
Protection	J. H. Williams & Co		
PAINTS, OILS	AND COLORS.		
Oils-	Spirits Turpentine-		
	In regular bbls		
Linseed, City, Raw, in barrels, \$\pi\$ gal. 510	In machine bbls		
Linseed, City, Boiled, in barrels,	THE IMACHINE DOIS		
₩ gal. 58c	Dry Colors—		
Out of Town on Spot 9 gal. 51c	79 16		
Calcutta, Raw, in barrels # gal. 85c	Blue, Chinese		
Lard, Prime City	Blue, Prussian		
Extra, No. 1 50@59c	Bine, Ultramarine 6 @30 @		
No. 148@44c	Sienna, Italian, burnt & powdered		
Paints and Colors—	Sienna, Italian, raw &		
Barytes, Foreign Floated, \$\varphi\$ ton,	powdered 8 @ 7 €		
\$30.00@\$81.00	Umber, Turkey, burnt 834@ 834c		
Barytes, American Floated, # ton,	Umber, Turkey, raw 234@ 8346		
\$19.00@\$90.00	Green, Chrome, Ordinary 5 @ 7 e		
Barytes, Crude \$ ton 9.00@ 10.00			
White Lead, American, Dry, in bbls.	Green, Paris, in bulk15 @16 e		
	Indian Red, American 214@ 8		
₩ b. 6@6¼C	Indian Red, English 4149 8140		
White Lead, American, in Oil, in lots	Colors in Oil-		
of less than 500 hs	Black Lampblack, best 18 @15 c		
In lots of 500 hs. and over # h. 614c	Black Lampblack, common 8 @10 c		
White Lead, Foreign, in Oil. 9 b. 82914c	Bine. Chinese		
Litharge, Kegs \$ b. 614@7c			
Zinc, American, Dry b. 434@514c	Blue, Prussian82 @35 c		
T-44-	Blue, Ultramarine 14 @18 ¢		
Putty—	Sienna, burnt		
In bulk	Sienna, raw		
In cans, 50 b	Umber, burnt11 @18 e		
In cans, 25 lb	Umber, raw		
In cans, 1814 b 2.50	Brown, Vandyke 11 @18 6		

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Joseph Dixon Crucible Co., Jersey City, N. J.

Carriage Makers' Tools.

Silver Mfg. Co., Salem, Ohio.

Carriers, Hay.

F. E. Myers & Bro., Ashland, Ohio.

Cash Begisters.

Standard Cash Register Co., Wabash, Ind.

Cash Register Paper. Standard Cash Register Co., Wabash, Ind.

Casters, Bed and Plate. Sargent & Co., New York, Standard Caster & Wheel Co., New York, N. Y.

Catalogue Case.

J. D. Warren Mfg. Co., Chicago, Ill.

Caulking Mallets.

N. Y. Mallet & Handle Works, New York, N. Y.

Coment, Rubber and Leather.

Tower & Lyon, New York.

Chains.

ig in a

Covert Mfg. Co., West Troy, N. Y. Fuller Bros., New York.

Chains, Cow.

Covert Mfg. Co., West Troy, N. Y.

Chains, Sash.

Smith & Egge Mfg. Co., Bridgeport, Conn.

Chain Blocks.

Burr Mfg. Co., Cleveland, O.

Chalk Lines.

Samson Cordage Works, Boston, Mass.

Checks, Brass Schwerdtle Stamp Co., Bridgeport, Conn.

Chemicals.

Harrison Bros. & Co., Inc., New York, Philadelphia, Chicago.

Cherry Stoners Enterprise Mfg. Co. of Pa., Philadelphia. Goodell & Co., Antrim, N. H.

Chisels, Firmer.

Alfred Field & Co., New York. C. E. Jennings & Co., New York. Sargent & Co., New York. Tower & Lyon, New York. Chucks.

North Bros. Mfg. Co., Phila., Pa. Smith & Egge Mfg. Co., Bridgeport,

G. W. Bradley's Sons, New York. John Chatillon & Sons, New York. Goodell Company, Antrim, N. H.

Clippers, Horse and Barbers'. American Shearer Mfg. Co., Nashua, N. H. American Shearer Mfg. Co., Nashua, N. H. Coates Clipper Mfg. Co., Worcester, Mass. Alfred Field & Co., New York. John H. Grahum & Co., New York.

Closet Pulls. Smith & Egge Mfg. Co., Bridgeport, Conn.

A. J. Phillips Co., Fenton, Mich1

Clothes Lines. Samson Cordage Works, Boston Mass.

Coal Screens. Gilbert & Bennett Mfg. Co., New York, Chicago.

Coat, Hat and Ceiling Hooks. Atlas Mfg. Co., New Haven, Conn. Brass Goods Mfg. Co., Brooklyn, N.Y. John H. Graham & Co., New York. Sargent & Co., New York.

Coke Forks.

Geneva Tool Co., Geneva, O.

Colors.

Harrison Bros. & Co., Inc., New York, Philadelphis, Chicago.

Conductor Pipe

American Steel Roofing Co., Middle-town, Ohio. Bruce & Cook, New York.

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Coopers' Tools.

G.W. Bradley's Sons, Westport, Conn.

Copper, Sheet.

Bruce & Cook, New York. Cordage and Twines.

Samson Cordage Works, Boston.

Cork Pullers

Enterprise Mfg. Co. of Pa., Phila-delphia. Erie Specialty Co., Erie, Pa.

Alfred Field & Co., New York. Brie Specialty Co., Eric, Pa. Smith & Hemenway Co., New York. Williamson W. N. Co., Newark, N. J.

Corn Hooks Geneva Tool Co., Geneva, O.

Corn Shellers.

J. W. Dunham & Son, Berea, O.

Cotton Belting.

Rossendale-Reddaway Belting and Hose Co., Newark, N. J.

Counterfeit Detectors. Pelouze Scale & Mfg. Co., Chicago.

Counters, Hardware.

J. D. Warren Mfg. Co., Chicago, Ill.

Counters, Nail Bin.

J. D. Warren Mfg. Co., Chicago, Ill,

Countersinks.

C. E. Jennings & Co., New York. Smith & Hemenway Co., New York.

Cover Lifters, Stove Troy Nickel Works, Albany, N. Y.

Crayons.

Joseph Dixon Crucible Co., Jersey City, N. J.

Curled Hair.

Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Curry Combs

& E. T. Fitch Co., New Haven. John H. Graham & Co., New York.

Cutlery, Pocket.

John Chatillon & Sons, New York. Jackson Knife & Shear Co., Fremont. O Jos. Rodgers & Sons, Sheffield, Eng. Voigt, Starr & Co., New York.

Cutlery, Table.

Alfred Field & Co., New York. Goodell Co., Antrim, N. H. Jos. Rodgers & Sons, Sheffield, England. E. H. H. Smith, New York, N. Y.

Cutlery Specialties Smith & Hemenway Co., New York.

Cutters, Fodder. Silver Mfg. Co., Salem, Ohio.

Cutters, Pipe. H. F. Livermore, Boston, Mass.

Cutters, Rod.

Chandler & Farquhar, Boston,

Cutters, Wire Bridgeport Mfg. Co., Bridgeport, Conn.

Cutting Pliers.

Bridgeport Mfg. Co., Bridgeport, Cronk & Carrier Mfg. Co., Elmira, Charles Morrill, New York.

Dairy Scales.

Osgood Scale Co., Binghamton, N.Y.

Dies, Steel,

Schwerdtle Stamp Co., Bridgeport, Conn.

Discount Books

Hardware Publishing Co., New York.

Dog Collars and Muzzles.

Alfred Field & Co., New York.
Tower & Lyon, New York.
Union Hardware Co., Torrington,
Conn.

Door Checks and Springs. Jos. Bardeley, New York. Sargent & Co., New York.

Door Holders. Caldwell Mfg. Co., Rochester, N Y. Door Springs.

Sargent & Co., New York.

Dormant Scales.

Osgood Scale Co., Binghamton, N. Y

ers, Hardware

J. D. Warren Mfg. Co., Chicago, Ill.

Drawing Instruments

C. E. Jennings & Co., New York. Keuffel & Esser Co., New York. Sargent & Co., New York.

Drawing Knives. Tower & Lyon, New York.

Drills, Bench.

Chandler & Farquhar, Boston, Mase. Silver Mfg. Co., Salem, Ohio. (See Twist Drills.)

Drills, Hand.

Duff Machine Co., Lowell. Mass. Drilling Attachments.

Silver Mfg. Co., Salem, Ohio.

Drills, Blacksmiths', Etc. Sargent & Co., New York. Silver Mfg. Co., Salem, Ohio.

Drill Presses.

Silver Mfg. Co., Salem, Ohio.

Dumb Waiters.

Kimbali Bros. Co., Council Bluffs,

Duplicators.

Felix F. Daus Duplicator Co., New York.

Electric Bells and Supplies.

John H. Graham & Co., New York. Smith & Hemenway Co., New York.

Elevator Enclosures and Cars.

. E. Bolles Iron and Wire Works, Detroit, Mich.

Elevators.

Kimball Bros. Co., Council Bluffs, Iowa.

Emery and Garnet Paper.

Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Enameled Bath Tubs. Colwell Lead Co., New York.

Engravers.

Standard Engraving Co., New York.

Ensilage Cutters.
Silver Mfg. Co., Salem, Ohio.

Envelope and Stamp Lubrica-tors.

Pelouze Scale & Mfg. Co., Chicago.

Escutcheons and Push Plates.

Brass Goods Mfg. Co., Brooklyn, N.Y. Sargent & Co., New York.

Expansion Bolts.

D. C. Seaman & Co., Philadelphia,

Export Agents.

John H. Graham & Co., New York.

Eyelets and Eyelet Sets. Eyelet Tool Co., Boston, Mass.

Farming Tools.

Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Iowa.

John H. Graham & Co., New York. Smith & Hemenway Co., New York.

Faucets, Wood.

John Sommer's Son, Newark, N. J.

Fence Machines.

Superior Fence Machine Co., Detroit, Mich. Torrent Pump & Fence Co., Cleve-land, O.

Fences, Wire and Iron.

W. J. Adam, Jollet, Ill.
J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Clinton Wire Cloth Co., Clinton, Mass.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland,
Ohio.

Field Hoes.

Geneva Tool Co., Geneva, O.

Wiles.

G. & H. Barnett Co., Philadelphia. Alfred Field & Co., New York. Hayes File Co., Detroit, Mich. Mayer & Co., Philadelphia, Pa. Nicholson File Co., Providence, R. I.

Champion Safety Lock Co., Cleveland, O. Fulper Pottery Co., Flemington, N.J.

Alfred Field & Co., New York.
Harrington & Richardson Arms Co.,
Worcester, Mass.
Remington Arms Co., New York.
J. Stevens Arms & Tool Co., Chicopee
Falls, Mass.

Fishing Floats.

Enterprise Mfg. Co., Akron, Ohio. J. M. Mast Mfg. Co., Lancaster, Pa.

Fishing Tackle.

Enterprise Mfg. Co., Akron, O.

Flat Ware.

See Plated Ware.

Floor Plates.

Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

Flower Pot Stands.

Gilbert & Bennett Mfg. Co., New York and Chicago.

Fodder Cutters.

Silver Mfg. Co., Salem, Ohio.

Food Choppers.

Chas. D. Brown, New York. Enterprise Mfg. Co. of Pa., Phila., Pa. Sargent & Co., New York, and New Haven, Conn.

Forgings, Carriage.

Columbus Bolt Works, Columbus, O.

Foundry Riddles.

Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.

Fox Machine Co., Grand Rapids, Mich. Sargent & Co., New York.

Fruit Presses.

Enterprise Mfg. Co. of Pa., Philadelphia.

Fuanace Shovels.

Geneva Tool Co., Geneva, Ohio.

Garden Hoes.

Geneva Tool Co., Geneva, O.

Garden Tools.

Alfred Field & Co., New York. Geneva Tool Co., Geneva, O.

Gasfitters' Supplies. Colwell Lead Co., New York.

Gasoline Lamps.

Argand Vapor Lamp Co., Detroit, Mich. Imperial Gas Lamp Co., Chicago, Ill.

Gas Pliers

Cronk & Carrier Mfg. Co., Elmira, N. Y. Smith & Hemenway Co., New York.

Favorite Novelty Co., Detroit, Mich.

Gauges, Butt.

Stanley Rule and Level Co., New York.

Glass Cutters.

John Byrnes, New York. Smith & Hemenway Co., New York.

Glue.

Allerton-Clarke Co., New York.
Baeder, Adamson & Co., New York,
Philadelphia, Boston and Chicago.
N. Y. Cabinet Glue Works, New York.
Tower & Lyon, New York.

Joseph Dixon Crucible Co., Jersey City, N. J.

Grass Hooks.

Iowa Farming Tool Co., Ft. Madison,

Grindstones

Cleveland Stone Co., Cleveland.

Gummers, Saw.

E. C. Atkins & Co., Indianapolis, Ind.

Gunpowder.

Tower & Lyon, New York.

Gun Implements.

Remington Arms Co., New York.
Union Hardware Co., Torrington,
Conn.

Hair Felting.

Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Haiter Chains.

Covert Mfg. Co., West Troy, N. Y.

Halters, Web and Rope. Covert Mfg. Co., West Troy, N. W.

John H. Graham & Co., New York.
Arthur R. Robertson, Boston, Mass.
Sargent & Co., New York.
Smith & Hemenway Co., New York.
Stanley Rule and Level Co., New
York.
The Scranton & Co., New Haven,
Conn.

Handles, Tool.

Berger Bros. Co., Philadelphia. Geneva Tool Co., Geneva, O. N. Y. Mallet & Handle Works, New York, N. Y.

Hangers, Coat and Hat.

Cronk & Carrier Mfg. Co., Elmira, N. Y.

Hangers, Pipe. Berger Bros. Co., Philadelphia.

Hangers, Barn Door. Cronk & Carrier Mfg. Co., Elmira, N.Y. John H. Graham & Go., New York, Lane Bros. Co., Poughkeepsie, N. Y. McKinney Mfg. Co., Allegheny, Pa.

Hangers, Joist and Wall. National Iron & Wire Co., Cleveland, Ohio.
Van Dorn Iron Works Co., Cleveland,
Ohio.

Hangers, Parlor Door. John H. Graham & Co., New York. Lane Bros. Co., Poughkeepsie, N. Y. Sargent & Co., New York.

Hardware Cabinets.

J. D. Warren Mfg. Co., Chicago, Ill.

Hardware Case J. D. Warren Mfg. Co., Chicago, Ill.

Hardware Mfrs' Agents, Etc John H. Graham & Co., New York. Robert Murray, New York.

Hardware Shelving.

J. D. Warren Mfg. Co., Chicago, Ill. Hardware Specialties. Clark & Cowles, Plainville, Conn.
Enterprise Mfg. Co. of Pa., Philadelphia.
Alfred Field & Co., New York.
Charles Morrill, New York.
Robert Murray, New York.
Sargent & Co., New York.
Smith & Hemenway Co., New York.

Harness Dressing. Frank Miller Co., New York, N. Y.

Harness Snaps. Covert Mfg. Co., West Troy, N. Y. W. & E. T. Fitch Co., New Haven Conn. Sargent & Co., New York.

Hasps and Staples.

McKinney Mfg. Co., Allegheny, Pa. Hay Carrying Tools. F. E. Myers & Bro., Ashland, Ohio.

Hay Forks.

Ashtabula Tool Co., Ashtabula, O. Geneva Tool Co., Geneva, O. Jowa Farming Tool Co., Fort Madison, Ia.
Willoughby Fork' & Mfg. Co., Willoughby, O.

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Hay Knives.

Iwan Bros., Streator, Ill.

Heaters, Oil.

Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Clark Mfg. Co., Buffalo, N. Y. McKinney Mfg. Co., Allegheny, Pa. Niles Mfg. Co., Chicago. Sargent & Co., New York.

Hinges, Blind.

R. P. Whipple & Co., Springfield,

Hinges, Shutter.

Clark Mfg. Co., Buffalo, N. Y.

Hinges, Spring.

Bommer Bros., Brooklyn, N. Y. Niles Mfg. Co., Chicago. Sargent & Co., New York.

Hinges, Trunk, Box and Door. Brass Goods Mfg. Co., Brooklyn, N.Y.

Hoisting Machinery.

Burr Mfg. Co., Cleveland, Ohio. Kimball Bros. Co., Council Bluffs, Ia.

Hones, Razor.

Alfred Field & Co., New York. Smith & Hemenway Co., New York.

Berger Bros. Co., Philadelphia. John H. Graham & Co., New York. Sargent & Co., New York.

Horse and Cattle Ties.

Covert Mfg. Co., West Troy, N. Y.

Ausable Horse Nail Co., New York. Capewell Horse Nail Co., Hartford, Conn.

Horse Rasps.

G. & H. Barnett Co., Phila., Pa. Nicholson File Co., Providence, R. I.

Hose, Fire, Linen.

Roesendale-Reddaway B. & H. Co., Newark, N. J.

Hose Menders.

John H. Graham & Co., New York.

Hose Pipe.

F. E. Myers & Bro., Ashland, Ohio.

Hose, Rubber.

F. E. Myers & Bro., Ashland, Ohio.

Ice Balances.

John Chatillon & Sons, New York. Pelouze Scale & Mfg. Co., Chicago.

Ice Cream Freezers

John H. Graham & Co., New York. North Bros. Mfg. Co., Philadelphia. Tower & Lyon, New York.

fce Chisels.

John Chatillon & Sons, New York. Iowa Farming Tool Co., Ft. Madison, Iowa.

Ice Creepers.

Edwin B. Stimpson & Son, New York.
Tower & Lyon, New York.
Union Hardware Co., Torrington,
Conn.

Ice Harvesting Implements. Wm. T. Wood & Co., Arlington, Mass.

John Chatillon & Sons, New York. Erie Specialty Co., Erie, Pa. C. E. Jennings & Co., New York. Wm. T. Wood & Co., Arlington, Mass.

John Chatillon & Sons, New York. Erie Specialty Co., Erie, Pa. Smith & Hemenway Co., New York. Wm. T. Wood & Co., Arlington, Mass.

fron, Sheet.

Bruce & Cook, New York.

Enterpise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleve-land, Ohio.

Colwell Lead Co., New York.

Iron Work.

J. E. Bolles Iron and Wire Works, Detroit, Mich. Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleveland, Ohio.

Jack Chains.

Smith & Egge Mfg. Co., Bridgeport. Conn.

Kitchen Specialties.

Crescent Mfg. Co., Fremont, O.

Berger Bros. Co., Philadelphia. Lane Bros. Co., Poughkeepsie, N. Y. F. E. Myers & Bro., Ashland, Ohio.

Lamps, Bicycle.

John H. Graham & Co., New York. Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Lamps, Hydro-Carbon.

Welsbach Co., Gloucester, N. J.

R. E. Dietz Co., New York.

Lard Presses.

Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Fences.

W. J. Adam, Joliet, Ill.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland,
Ohio.

Lawn Mowers.

Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Rakes

Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Ft. Madison, Ia.

Lawn Sprinklers. Smith & Hemenway Co. New York.

Lawn Tools.

Geneva Tool Co., Geneva, O.

Bruce & Cook, New York. Colwell Lead Co., New York.

Lead Pencils.

Joseph Dixon Cracible Co., Jersey City, N. J.

Lead Pipe.

Colwell Lead Co., New York.

Lemon Squeezers.

Berger Bros. Co., Philadelphia. Erie Specialty Co., Erie, Pa. John H. Grabam & Co., New York. Smith & Hemenway Co., New York. John Sommer's Son, Newark, N. J.

Levels.

Stanley Rule & Level Co., New York. Tower & Lyon, New York.

Locks and Knobs.

Brass Goods Mfg. Co., Brooklyn, N.Y. John H. Graham & Co., New York. Sargent & Co., New York and New Haven, Conu.

Lubricants.

Joseph Dixon Crucible Co., New York and Jersey City, N. J.

Luminous Bait.

Enterprise Mfg. Co., Akron, O.

Magnolia Metal.

Magnolia Metal Co., New York.

Bruce & Cook, New York.
N. Y. Mallet & Handle Works, New York, N. Y.
John Sommer's Son, Newark, N. J.
Stanley Rule and Level Co., New York.
Tower & I won Tower & Lyon, New York. Union Hdw. Co., Torrington, Conn.

Manure Forks.

Geneva Tool Co., Geneva, O.

Manure Hooks.

Geneva Tool Co., Geneva, O.

Masons' Lines. Samson Cordage Works, Boston.

Measuring Pumps.

Enterprise Mfg. Co. of Pa., Philadelphia.

Measuring Tapes.

Alfred Field & Co., New York. John H. Graham & Co., New York. Keuffel & Esser, New York.

John Chatilion & Sons, New York. Enterprise Mfg. Co. of Pa., Phila-delphia. John H. Graham & Co., New York. Smith & Hemenway Co., New York.

Meat Cutters.

Enterprise Mfg. Co. of Pa., Philadelphia.

John H. Graham & Co., New York.

Sargent & Co., New York.

Metallic Paint.

L. D. Berger, Philadelphia. Bruce & Cook, New York.

Mills, Coffee and Spice.

John Chatillon & Sons, New York. Enterprise Mfg. Co. of Pa., Philadelphia.

Mills, Drug.

Enterprise Mfg. Co. of Pa., Philadelphia.

Mincing Knives.

Enterprise Mfg. Co. of Pa., Philadelphia.

John H. Graham & Co., New York.
Smith & Hemenway Co., New York.

C. E. Jennings & Co., New York. Smith & Hemenway Co., New York.

Mowing Machine Oilers.

Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

Bruce & Cook, New York. Fuller Bros. & Co., New York. Chas. J. Stebbins & Co., New York.

Nail Pullers.

Bridgeport Mfg. Co., Bridgeport, Smith & Hemenway Co., New York. The Scranton & Co., New Haven, Tower & Lyon, New York.

Nail Sets.

John H. Graham & Co., New York. C. E. Jennings & Co., New York.

Needles.

Alfred Field & Co., New York.

Nippers.

Alfred Field & Co., New York.
Charles Morrill, New York.
Smith & Hemenway Co., New York.
Utica Drop Forge & Tool Co., New
York.

Nnts.

Atlas Bolt and Screw Co., Cleveland, Ohio. Columbus Bolt Works, Columbus, O.

Office Railings.

J. E. Bolles Iron and Wire Works, Detroit, Mich. Gilbert & Bennett Mfg. Co., New York and Chicago.

Cushman & Denison, New York.
Tower & Lyon, New York.
Wilmot & Hobbs Mfg. Co., Bridge-

Oil Heaters.

Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Ornamental Iron Work.

Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleve-land, Ohio.

Padlocks.

Ames Sword Co., Chicopee, Mass. Alfred Field & Co., New York. John H. Graham & Co., New York. Smith & Egge Mfg. Co., Bridgeport, Tower & Lyon, New York.

L. D. Berger, Philadelphia. Bruce & Cook, New York. Jos. Dixon Crucible Co., Jersey City, N. J. N. J. Harrison Bros. & Co., Inc., New York, Philadelphia, Chicago.

Cushman & Denison, New York.

Paradigm Skylights.

Arthur E. Rendle, New York.

Davis & Davis, New York.

Patents.

Pencils.

Joseph Dixon Crucible Co., Jersey City, N. J.

Pig Lead. Colwell Lead Co., New York.

Pig Tin.

Colwell Lead Co., New York.

Pipe Cutters.

Armstrong Mfg. Co., Bridgeport, Conn. Alfred Field & Co., New York. Trimont Mfg. Co., Roxbury, Mass.

Berger Bros. Co., Philadelphia. Bruce & Cook, New York. Smith & Egge Mfg. Co., Bridgeport, Conn.

Pipe Threading Machines. Armstrong Mfg. Co., Bridgeport,

Pipe Vises. Armstrong Mfg. Co., Bridgeport, Conn. Howard Iron Works, Buffalo, N. Y. Tower & Lyon, New York.

Pistols. J. Stevens Arms & Tool Co., Chicopes Falls, Mass.

Planes. C. E. Jennings & Co., New York.
Sargent & Co., New York.
Stanley Rule and Level Co., New
York.
Tower & Lyon, New York.

Plated Ware. M. S. Benedict Mfg. Co., E. Syracuse N. Y. Luther Boardman & Son, East Haddam, Conn. Alfred Field & Co., New York.

Plates, Machinery. Schwerdtle Stamp Co., Bridgeport, Coun.

Pliers, Fencing. Cronk & Carrier Mfg. Co., Elmira, N.Y. Alfred Field & Co., New York. Smith & Hemenway Co., New York. Utlcs Drop Forge & Tool Co., New York.

Plumbers' Supplies.

L. D. Berger, Philadelphia, Pa. Berger Bros. Co., Philadelphia, Pa. Bruce & Cook, New York. Colwell Lead Co., New York. Smith & Egge Mfg. Co., Bridgeport, Conn.

Pocket Cutlery.

John Chatillon & Sons, New York. Alfred Field & Co., New York. Jackson Knife & Shear Co Fremont, O.

Police Equipments.

Tower & Lyon, New York.



Polish, Stove.

Joseph Dixon Crucible Co., Jersey City, N. J.

Post Hole Augers. Iwan Bros., Streator, Ill.

Post Hole Diggers.

John H. Graham & Co., New York. Iwan Bros., Streator, Ill.

Potato Hooks. Geneva Tool Co., Geneva, O.

Poultry Netting.

Clinton Wire Cloth Co., Clinton, Mass.
Gilbert & Bennett Mfg. Co., New York, Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.

Power Hammers

The Scranton & Co., New Haven,

Price Books

Hardware Publishing Co., New York.

Pruning Shears.

Cronk & Carrier Mfg. Co., Elmira, Smith & Hemenway Co., New York.

Pulleys, Hoisting.

Burr Mfg. Co., Cleveland, Ohio. F. E. Myers & Bro., Ashland, Ohio.

Pumps.

John H. Graham & Co., New York, F. E. Myers & Bro., Ashland, Ohlo. The Deming Co., Salem, Ohlo. Torrent Pump & Fence Co., Cleve-land, O.

Punches, Spring.

Ryelet Tool Co., Boston, Mass. Alfred Field & Co., New York. Charles Morrill, New York. Smith & Egge Mfg. Co., Bridgeport, Conn.
Smith & Hemenway Co., New York.
R. Woodman Mfg. & Supply Co.,
Boston, Mass.

Radiators.

Rochester Radiator Co., Rochester, N. Y.

Railings, Wire and Iron.

J. E. Bolles Iron and Wire Works, Detroit, Mich. Clinton Wire Cloth Co., Clinton, Mass.

Ballroad Brasse

Magnolia Metal Co., New York.

Rail, Barn Door.

Cronk & Carrier Mfg. Co., Elmira, N. Y. Lane Bros. Co., Poughkeepsie, N. Y. McKinney Mfg. Co., Allegheny, Pa.

Railway and Mill Supplies.

American Railway Supply Co., New York. R. Woodman Mfg. & Supply Co., R. Wou. Boston.

Raisin Seeders.

Enterprise Mfg. Co. of Pa., Philadelphia.

Rakes

Ashtabula Tool Co., Ashtabula, O. Geneva Tool Co., Geneva, O. John H. Graham & Co., New York, Iowa Farming Tool Co., Fort Madi-son, Ia.

IOTS.

Alfred Field & Co., New York.
International Cutlery Co., Fremont, O.
Jackson Knife & Shear Co.,
Fremont, O.
Joseph Rodgers & Sons, New York
and Sheffield, England.
Smith & Hemenway Co., New York.

Basor Strops.

Smith & Hemenway Co., New York.

C. E. Jennings & Co., New York.

Reels, Fishing. Enterprise Mfg. Co., Akron, O.

Beels, Wood.

John Sommer's Son, Newark, N. J.

Registers, Warm Air. Berger Bros. Co., Philadelphis. Revolution Counter.

Tabor Revolution Counter, Elizabeth, N. J. R. Woodman Mfg. & Supply Co., Bos-ton, Mass.

Revolving Horse Hay Rakes Geneva Tool Co., Geneva, O.

Rifles

Hamilton Rifle Co., Plymouth, Mich. J. Stevens Arms & Tool Co., Chicope Falls, Mass.

Rivets.

Atlas Boit and Screw Co., Cleveland, Ohio. Ohio.
Berger Bros. Co., Philadelphia.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.
C. C. & E. P. Townsend, New Brighton, Pa.

Rivet Sets.

Eyelet Tool Co., Boston, Mass.

Roller Skates.

M. C. Henley, Richmond, Ind. Tower & Lyon, New York. Union Hardware Co., Torrington, Conn., and New York.

Roof Bolts.

Columbus Bolt Works, Columbus, O.

Boof Rods.

Columbus Bolt Works, Columbus, O.

Roofing Cement.

J. L. Perkins & Co., Chicago, Ill.

Roofing, Granite.

Eastern Granite Roofing Co., New York.

Roofing Paint.

J. L. Perkins & Co., Chicago, Ill.

Roofing Plates.

Merchant & Co., Inc., Philadelphia, Pa.

Roofing and Roofers' Supplies.

American Steel Roofing Co., Middle-town, Ohio. L. D. Berger, Philadelphia. Berger Bros. Co., Philadelphia. Bruce & Cook, New York. Merchant & Co., Inc., Philadelphia, Pa.

Rubber Pump Buckets

Torrent Pump & Fence Co., Cleveland, O.

Alfred Field & Co., New York.
Stanley Rule and Level Co., New York.

Sad Iron Handles.

J. A. Cochrane, Cleveland, O.

Sad Irons.

Enterprise Mfg. Co. of Pa., Philadelphia.

Sand and Emery Paper. Baseler, Adamson & Co., New York, Philadelphia, Boston and Chicago.

nd Screens.

Gilbert & Bennett Mfg. Co., New York and Chicago. Sash Chains.

Smith & Egge Mfg. Co., Bridgeport, Tower & Lyon, New York.

Sash Cord.

Samson Cordage Works, Boston. Tower & Lyon, New York.

Sash Fixtures.

Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Locks.

Champion Safety Lock Co., Cleve-land, Ohio. W. & E. T. Fitch Co., New Haven, Conn. H. B. Ives & Co., New Haven, Conn.

Sash Pulleys.

Fox Machine Co., Grand Rapids, Mich. Sargent & Co., New York.

Sash Weights (Lead). Colwell Lead Co., New York.

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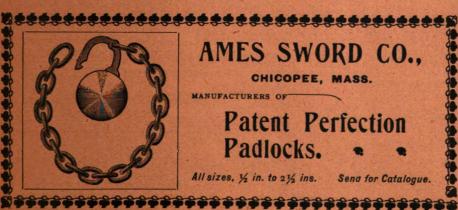
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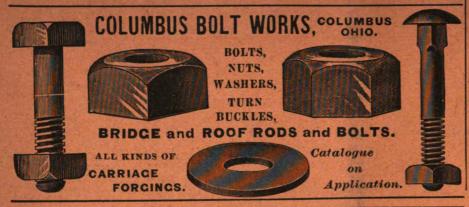
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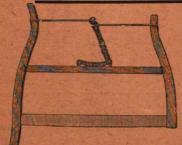


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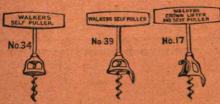
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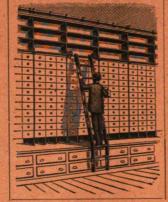
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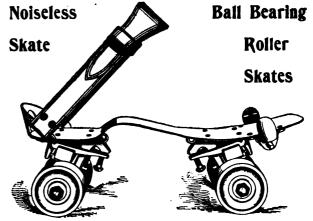
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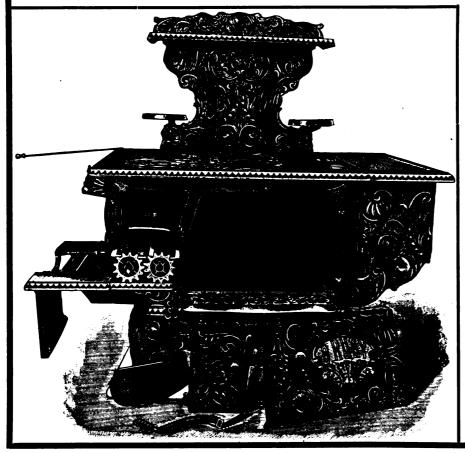
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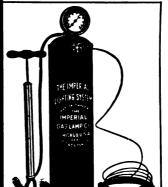
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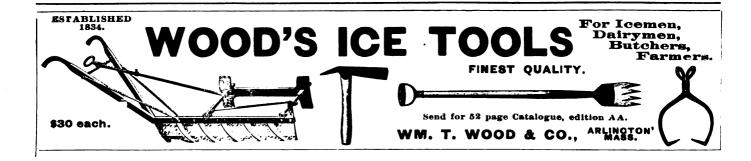
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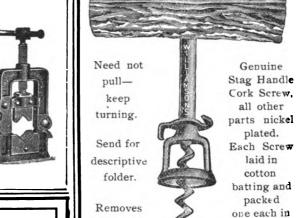
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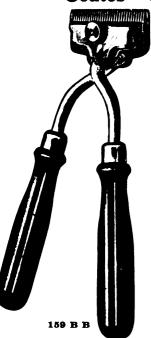
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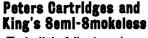
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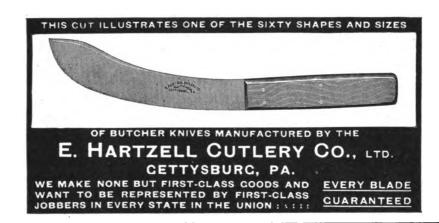
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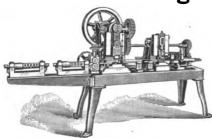
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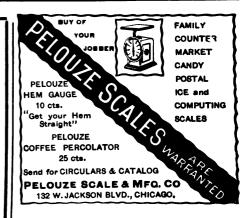
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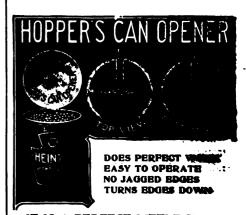


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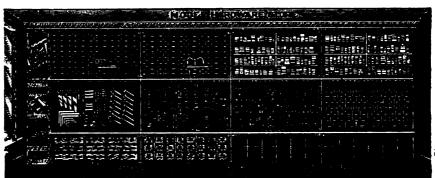
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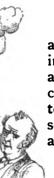
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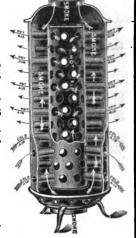
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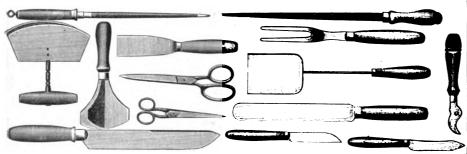
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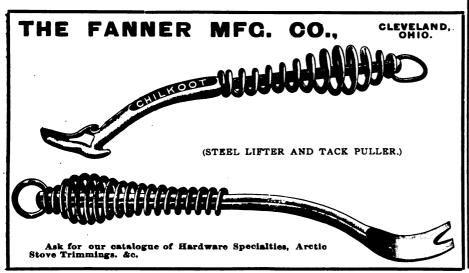
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"Trade journalism," said he, "is to the trader an index, educator, informant, teacher, profit-gatherer, counsel — in short, the prized silent partner. The trade paper is an insurance against the dishonest, tricky salesman; is the champion of the trader against unjust charges or rules, whether attempted by a railway organization or an individual; it is the advocate of organization, the mouthpiece of associations; their champion and defender—therefore, worthy of the support of every one interested in co-operative effort.

"Primarily, the trade journal is for the dealer, the man so anxious to concentrate all his energy upon his business that he seeks all aids, and is willing to pay for news or information that is calculated to push him forward to success.

"The trade journal is a tool of business. If the tool is poorly tempered, of weak constitution and untidy appearance, it will exert no influence, do more harm than good; turn traders into blunderers and live a short life. If, on the other hand, this tool of trade is well tempered, put together in attractive style, has force, a moral tone, and puts character first, it will live and thrive, and as it grows older exert more and more influence-secure respect for its opinion. The trade journal, then, to be a power, to have merit, to become the trader's tool, must be worth paying for. It must have individuality of its own, for in this world men count for more than method.

"By taking a trade paper you become an associate worker for your own and other's benefit, and thus carry out the highest ideals of conduct. You should ever keep in mind the old proverb, 'A man of knowledge increaseth in strength.'"



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The simplest and strongest Check made. All main working parts are of Steel, Drop Forged and Case Hardened.
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CAPS, WADS, CARTRIDGE CASES, ETC.
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The DAISY and SENTINEL AIR RIFLES will do both.

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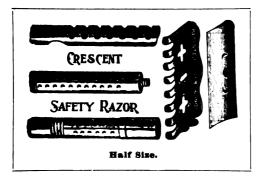
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New York Office, 98 Chambers Street.

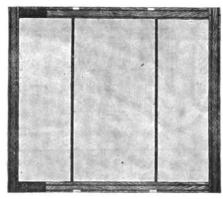
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Ice Pick.....per doz. **\$0.60**



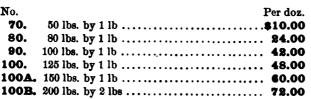
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	200 lbs. by 5 lbs	
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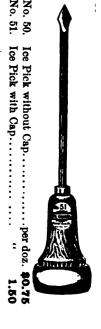
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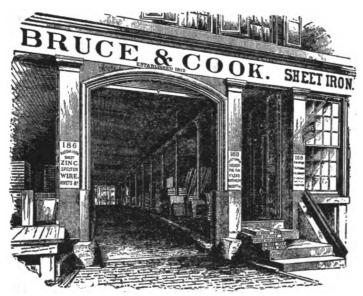
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TIN PLATES AND METALS.

186, 186 and 190 WATER STREET, 248 and 250 PEARL STREET, . . .

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We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment. . •



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BANNER HEATERS HAVE AN AUTOMATIC SAFETY

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For Bed Room, Smoking Room, Bath Room, Library, Nursery, Office, Conserva-tory, Camp or Cottage.

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ESTABLISHED 1872. The R. Woodman Mig. & Supply Co.

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Send for Catalog.

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The Best Water Purifier EAGLE WATER STILL.

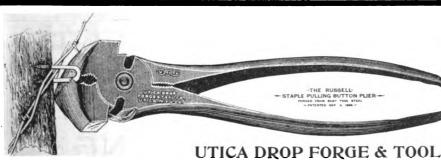
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UNCLE TERRY

in putting up new and repairing old fences uses our new Russell Staple Puller No. 1900 and under no condition will he have any other.

He reads the **GREEN BOOK** of Hardware Specialties and swears

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THOMSON BROS. & CO. Ask your dealer for these goods.

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Punches, Cutting Pliers and Seal Presses. **Bench** Stops,

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This Trade Mark is stamped on all Hardware Specialties of my make.

For Hand, Band and Jig Saws, from the widest made down to 1-2 inch. The Sets are too well known for me to enlarge on them.

Write for Catalogue. CHAS. MORRILL,

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ALL JOBBERS.

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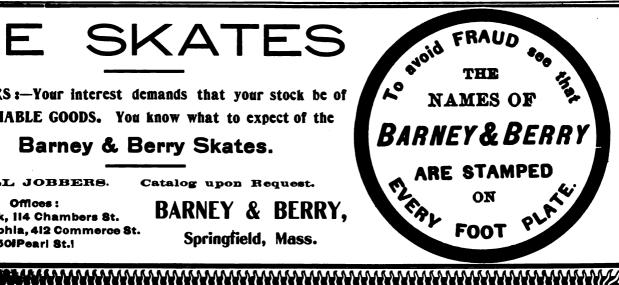
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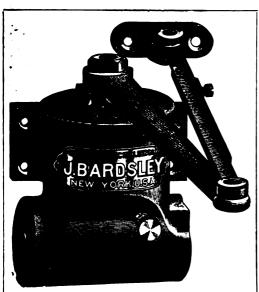
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BARNEY & BERRY.

Springfield, Mass.



THE "BARDSLEY" OIL DOOR CHECK AND SPRING.



This device—as now made—has the following features which are peculiar to itself:

No packing friction.

A releasing device-especially useful on apartment house doors and doors that close against a draught.

Spring of polished clock steel of superior qualityensuring soft and noiseless action and great durability.

The mechanism is arranged so that the spring cannot be used wrong side up and thus bent out of shape or broken.

The checking medium is an oil which is practically non-freezing, and which can readily be renewed when needed without removing the check from the door.

JOSEPH BARDSLEY.

147 to 151 Baxter Street.

The Smith & Egge Mfg. Co.,

BRIDGEPORT, CONN.

Sash Chains.

"Giant," "Red Metal" - Cable and Jack

Our Chains are being constantly imitated in appearance, but no one has succeeded in equaling them in wearing qualities. You will find them in use in the finest buildings.

New York Agent : J. J. Halpin, 62 Reade Street. Philadelphia Agent: W. E. Trull, 13 N. Sixth Street. Chicago Agent: H. H. Munger, 142 Lake Street. St. Louis Agent: Chas. M. Groves, Chemical Bldg.

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DEALERS SAVE TIME

And trouble by handling

Porfooted Granito Roofing.

It is uniform in quality, easily applied and guaranteed in every respect by its makers. The most sightly and most durable roofing in America.

WRITE FOR CATALOG AND SAMPLES. The Fastern Granite Roofing Co., GERKEN BUILDING, NEW YORK.

THIS CAN - - -

Clock Spring Steel Bottom

Of extreme durability and springiness. The CYLINDER is of DOUBLE THICKNESS around the lower edge, and is drawn seamless from extra heavy "Swedoh" Steel, Beautifully Finished It readily commends itself to all AGRICULTURAL and HARD-

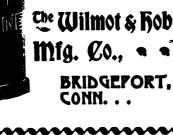
WARE DEALERS on account of its Elegance, Durability and Cheapness.

Special price on large orders from the Jobbing Trade.

ORDER NOW FOR **SPRING DELIVERY.**

Che Wilmot & Robbs Mfg. Co., • • •

TRADE They are the **FAVORITE** ATKINS & CO., Inc. BRANCH HOUSES:



Indianapolis,

Ind.

New York City, 64 Reade Street.

Atlanta, Ga.

Portland, Oregon.

Memphis, Tenn.

Minneapolis, Minn.

HARDWARE

At a recent meeting of the board of governors of the Hardware Club, of New York, the following gentlemen were unanimously elected to membership therein:

Nathan Goff, Clarksburg, W. Va.
Malcolm H. Ormsbee, 24 Broadway, Brooklyn.
Paul B. Haviland, New York.
Julien A. Ripley, Franklin Square, New York.
Herbert J. Frost, 90 Chambers Street, New York.
Miles M. O'Brien, 237 Broadway, New York.

Indiana Mfg. Co., Jeffersonville, Ind., who are well-known as manufacturers of hollow ware and other castings, are announcing to the trade that they have just completed a factory of 100 fires capacity for the manufacture of chain. This plant is equipped with new and latest improved machinery throughout, and under the direction of experienced hands the company feel confident that the goods which they design turning out will be second to none now soliciting the patronage of the Hardware trade. They request inquiries in regard to their product and also in regard to the general requirements of any trade handling this staple line, promising prompt replies to all trade inquiries.

The H. S. Bettes Hardware Co., Paris, Tex., have placed a large order with the J. D. Warren Mfg. Co., Chicago, for the interior arrangement of their new store. In elegance, utility and taste, it may safely be said that but few other Hardware stores in the South or West will be able to boast of as fine store equipment.

The machinery of The American Arms Co., of Boston, Mass., manufacturers of single and double shotguns and revolvers, under the management of the late Geo. H. Fox, has been purchased by The Marlin Fire Arms Co., and is being moved to New Haven, Conn., to be added to the Marlin plant in that city.

The Cleveland Twist Drill Co., of Cleveland, O., announce the opening of a store at 17 South Canal Street, Chicago, where will be carried a full and complete stock of all the goods of their manufacture. This stock will doubtless be of great convenience to the trade of Chicago and vicinity and will be in charge of John G. Ladrick, who has represented them in the West for a number of years.

The Hubbell, Grier Electric Co., Bridgeport, Conn., was brganized under the laws of New York on Oct. 18. The officers are Harvey Hubbell, president; Edward R. Grier, treasurer and manager; Thomas G. Grier, Western manager and Francis E. Laimbeer, secretary. The above named are the directors of the company and the capital stock is \$25,000. The company is formed for the purpose of manufacturing the Hubbell Electrical Pull Specialties. Edward R. Grier has been associated with The Bryant Co. for the past ten years as their Western manager. The company's plant will be at Bridgeport, Conn., with a New York office at 93 Nassau Street.

The New York Aluminum Co., 142-144 Worth Street, New York, have recently purchased the stock, factory and ware-rooms of Raymond & Gottlob, formerly at 109 Fulton Street and 831 Broadway. By retaining the services of the experienced employes of that firm, and the greatly improved facilities afforded by this increased plant, they are in excellent position for the spinning, casting and stamping of aluminum specialties in the extension of which business they solicit correspondence.

The Waterman Hardware Co., Albany, N. Y., has recently been incorporated under the laws of the State of New York, with a capital of \$10,000 to transact a general retail Hardware business. George Waterman, who has for some time been the Eastern traveling representative for Tower & Lyon, will be the president and treasurer. Mr. Waterman has been actively connected with the Hardware trade during the past ten years, having been exceedingly popular on the road, and noted for his industry and ability in the conscientious discharge of the many important duties which fell to his lot. His many friends wish him every success in his new venture, having no question as to its profitable outcome.

In the paragraph in our previous issue having reference to change of location of offices and factory of the Magnolia Metal Co., we neglected to mention that the injury to the old offices would in no wise interfere with their general business, as their factory at Stirling, N. J., possesses ample facilities for taking care of their Eastern business.

Announcement is made that the New York Hardware Co. has appointed Mario Pena as manager, with offices at 54 Stone Street, New York. Their business will be confined to the exportation of all kinds of Hardware, tools, household goods and Hardware specialties. The company solicits correspondence and catalogues from manufacturers of above lines interested in establishing an export trade for their product.

The National-Acme Mfg. Co., has recently been incorporated under the laws of Ohio, with a capital of \$750,000. A valuable manufacturing site on the Pennsylvania railroad at Stanton Street, Cleveland, O., has been purchased, and contract has been let for the erection of a modern factory of brick and steel, 300 feet long by fifty feet wide, and four stories high, which will be equipped with electrical power. They have purchased the entire business, together with patents, good will, etc., of the Acme Machine Screw Co., of Hartford, Conn., and The National Mfg. Co., of Cleveland, O., assuming all contracts and obligations of whatever nature now outstanding. As early in 1902 as their new factory will be ready for occupancy, the Hartford plant will be moved to Cleveland. The business will be conducted by those who have been actively engaged in the management of the individual companies. They will manufacture for sale, the Acme Multiple Spindle Automatic Screw Machine, together with a full line of Cap Screws, Set Screws, and Special Milled Work, turned from Steel, Iron, Zinc and Brass. Their facilities will be unexcelled, and they will therefore be in position to serve their customers in a manner equal to any concern of their character in the business.

Several important changes have recently been made in the management of the Mossberg & Granville Mfg. Co., Providence. At the recent election the following gentlemen who have not heretofore been associated in the management were made directors: W. W. Orr, V. I. Cumnock, E. C. Moen, A. R.Whitney, Jr., and Joseph W. Harriman, all of New York, and Elisha H. Howard, of Providence. The board of directors organized by electing Howard C. Smith, of New York, president, Elisha H. Howard, vice-president, and E. C. Moen, secretary and treasurer. V. I. Cumnock was made chairman of the executive committee. Te resignation of W. W. Gibbs, for some time past general manager, was accepted and in his place George A. Clark, formerly of Lowell, Mass., has been appointed. The business of the company at the present time is in a flourishing condition and various new patterns of tools and machines have been added to its already very extensive catalogue. The New York office of the company, in charge of the secretary and treasurer, is at 100 William Street.

HARDWARE

VOL. XXIV.

NOVEMBER 10, 1901.

NO. 3.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.

HARDWARE is published on the 10th and 25th of each month. The subscription is \$1.00 a year, payable in advance.

Subscriptions may commence with any issue.

Remittances should always be made in the safest manner available to the remitter. Post-office and Express Money Orders are always safe and may be sent at our own risk.

Register your letters when you remit by cash.

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The Name of your Post-office and of the State you live in should always follow your own name when writing to this office. We cannot find your name on our books unless this is done,

Letters should be addressed

HARDWARE PUBLISHING CO.,

275 Broadway, New York.

President.

L. E. MITCHELL, . .

A. P. MITCHELL, - - Secretary and Treasurer.

HENRY HOPKINS. - - Editor.

A. E. BOLLES, - - Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted Exclusively to the Hardware Trade.

Editorial Trade Review.

The business done by the trade during October has been favorably commented upon in every important trade centre. Prices were well sustained, slight fears for any possible decline preventing no purchases for immediate requirements. Very few lines but what hold up nobly, giving evidences of no element of weakness. The condition of the Iron and Steel markets and the larger lines of manufactures interfered with by the great strike, exerted a great influence in sustaining the markets and keeping the order books in a healthful state of independent fullness. The demands of labor in many lines of production have been entertained as to a betterment of ruling conditions and the output of more than one factory has been increased by adding to the remuneration of the skilled workmen who make early deliveries posible. This willingness to be reasonable with employes, now noticeable among manufacturers, has a tendency to keep quotations on the product of the mills affected in a stronger condition, and it is doubtful if we will see orders entered for Spring delivery on any such open contracts as to quantity and delivery as so frequently at this season of the year have to be entertained by the American manufacturer.

The weather has been so pleasant during the past fortnight the demand for winter supplies has been light in proportion in the retail trade, which in the present scarcity of a number of leading specialties which do not seem to be supplied with any degree of fullness, was very acceptable to the trade. This scarcity for leading tools, including saws, hammers, etc., indicates to a nicety the fine business which has been done in these truly Hardware lines of demand and supply.

The demand is slacking up somewhat on Builders' Hardware, which is usually anticipated in the current month. The prospect is, however, bright for a prosperous opening for this branch of business for the coming Spring. Many improvements are in contemplation which will embody in their completion a good demand for builders' supplies of every character.

The holiday season now rapidly approaching will find the trade well equipped to take care of the anticipated large demand. High grade goods and articles of merit will meet with a larger sale than has been a feature of late years, owing to the steadily remunerative employment visible on every hand.

The export trade as far as it regards the distribution of Hardware specialties and special lines abroad, shows a diminishing volume of sales compared with this time last year. The indications point to the fact that a more active market at home has prevented the pushing of sales abroad at the usual low figures which obtain under such conditions. It is too frequently the case that the foreign market is regarded by our manufacturers more in the light of a proper outlet for an over-production, or during the prevalence of a dull home market, and is less apt to be stimulated by the necessarily low bids for business, which the legitimate channels of active domestic trade, more easily approached, make undesirable. With an active home demand, prompt deliveries for foreign markets are made difficult of accomplishment. Generally speaking, we look with considerable favor on a market abroad for the salable specialties we manufacture in such large quantities, but when comparisons of profit are made by the zealous maker, he is too apt to find his dividends come from the sales made in the home market, and foreign possibilities are not then cultivated with our characteristic energy and persistence.

Comparison of Volume of Competing Commerce.

An accurate measurement of the commerce of the principal countries of the world at the present time is afforded by some figures published by the treasury bureau of statistics in the September number of the Monthly Summary of Commerce and Finance. The statement is in the form of a table showing the commerce of thirty leading countries of the world during such part of the fiscal year of each of the countries as is available from their latest official reports. Owing to the fact that the fiscal years of the countries differ in their dates of termination, the statement is in some cases for a six months' period, in other cases for eight, and in other cases for eleven or twelve months. In order to furnish a basis for comparison of the volume of the commerce of the various countries the bureau of statistics gives the average monthly import and export during the part of the fiscal year covered in the statement for each of the thirty countries in question.

This statement of the average monthly value of the imports and exports of the thirty countries furnishes a fair basis of comparison of the commerce of the countries one with another, and an opportunity to compare the imports with the exports and thus determine whether the excess, or "balance of trade," is on the import or export side.

An examination of the full list of countries shows that in two-thirds of the number the imports exceed the exports, and that in one-third of the number the exports are greater than the imports. The countries which show an excess of exports over imports are: Argentina, Austria-Hungary, Brazil, Chile, British India, Mexico, Roumania, European Russia, the

United States and Uruguay. The countries showing an excess of imports over exports are: Belgium, Canada, Cape of Good Hope, China, Cuba, Denmark, Egypt, France, Germany, Greece, Italy, Japan, Netherlands, Norway, the Philippine Islands, Portugal, Spain, Switzerland, Turkey and the United Kingdom.

The table which follows shows the average monthly imports and exports of the ten countries in which the exports exceed the imports in that part of the current fiscal year for which figures are now available:

	Average per moi	nth during 1901
Countries.	Imports.	Exports.
	Dollars.	Dollars.
United States	71,830,923	113,864,852
India. British		31,565,179
Austria-Hungary		30.311.995
Russia, European	20,040,000	27,373,000
Argentina		15,725,763
		15.051.841
Brazil		6.239.474
Mexico		5.100.104
Chile		
Roumania		4,503,840
Timonev	2.260.578	3.328. 44 5

The following table shows the average monthly imports and exports of the twenty countries in which the imports exceed the exports in that part of the current fiscal year for which figures are now available:

	Average per mo	nth during 1901.
Countries.	Imports.	Exports.
000000	Dollars.	Dollars.
United Kingdom	207,886,450	113,205,085
Germany		87,831,833
France		66,226,000
Netherlands		56,790,928
Belgium	84,355,000	28 ,021,000
Italy		21,797,747
Switzerland	. 16,744,825	13,127,100
Canada	. 15,041.265	12,759,063
Spain	. 13,470,853	10,025,803
Japan	. 11,254,785	9,597,743
Chlna		9,553,055
Turkey	7,832,000	5,665,000
Egypt	5,735,378	5,701,025
Denmark		5,826,500
Cuba		5,254,580
Cape of Good Hope	. 7,491,108	4,075.565
Norway	5,931,944	3,549,735
Portugal		2,425,954
Philippine Islands		1,903,417
Greece	. 2,017,292	1,070,712

Essays on Trade Mismanagement.

The Southern Hardware Jobbers' Association are engaged in a good work as indicated by the contents of a recent circular distributed by them. They offer a series of prizes for the best essay to be written by any traveling salesman of any Southern jobbing house on "Trade Mismanagement and Its Attendant Consequences as Viewed from a Traveling Man's Standpoint." The prizes consist of \$50 in gold for the best essay, \$25 in gold for the next best, and \$10 in gold for the third in point of excellence. These prizes are offered in accordance with the following resolution which was adopted at a recent convention of the Southern Hardware Jobbers' Association:

Resolved, That we offer a prize of \$50.00 for the best essay of one thousand words, or less, written by a traveling salesman of some Southern Hardware jobbing house, on trade mismanagement and its attendant consequences, as viewed from a traveling man's standpoint; and that the competition shall open on Oct. 1, 1901, and close February 1, 1902. That the replies received be printed and numbered and sent out to the entire membership, with the request that they vote on the same, and the majority vote shall decide as to the best essay. And that the secretary be instructed to extend to the author an invitation to attend our next meeting and read his essay.

That the essay receiving the second highest number of votes be given a prize of \$25.00 in gold, and the third \$10.00 in gold.

The conditions of this contest are that each essay must be signed by a fictitious name or device, and the same name or device must be put upon a sealed envelope, within which are the real name and address of the author of the essay. This sealed envelope is to be enclosed with the essay.

Any traveling salesman of any Southern Hardware jobbing house is eligible to this competition. There is no charge for entering.

The essays may be sent by mail or express, charges prepaid,

and must reach the office of Secretary Carter not later than noon, February 1, 1902.

The address of all manuscripts should be as follows: "Southern Hardware Jobbers' Association, Prize Competition, C. B. Carter, Secretary-Treasurer, Knoxville, Tenn."

Our Imports for Manufacturing Purposes.

American manufacturers are evidently quite as busy in 1901 as they were in 1900. At least this is a reasonable conclusion from an examination of the figures of the treasury bureau of statistics, which show that the total imports of manufacturers' materials in the nine months ending with September, 1901, were greater in value than those of the corresponding months of last year, although an analysis of the imports, article by article, shows that in many cases the prices per unit of quantity have decreased. This decrease in price is so strongly marked that in many cases while the figures of value show a decrease in the nine months of 1901 as compared with those of 1900, the figures of quantity for the same period show an increase. For instance, imports of india rubber when measured by value show a slight reduction in 1901 as compared with 1900, while the quantity imported in 1901 shows an increase of more than 5,000,000 pounds as compared with the same months of 1900. Pig tin, used in manufacturing tin plate, shows in value a slight reduction in the imports of 1901 as compared with last year, but in quantity there is an increase of over 2,000,000 pounds. Imports of unmanufactured fibers show a decrease of more than \$2,000,000 in value as compared with those of 1900, yet the quantity shows a material increase. Taking the grand total of value of imports of raw materials for use in manufacturing, the imports in the nine months of 1901 compared with those in 1900, were: For 1901, \$221,469,984; for 1900, \$217,619,372; while in the month of September alone, the figures of the month in 1901 are \$22,725,325, against \$18,505,980 in September, 1900, a marked increase. They formed in September, 1900, 34 per cent. of the total imports, against 31 per cent. of the total imports in September, 1900.

The following statement shows the quantities of the principal articles imported into the United States for use in manufacturing, during the nine months ending September 30, 1900, and 1901, respectively:

Articles imported.			ns ending with ember,
		1900.	1901.
	11		
Iron ore	lbs.	1,584,845,280	1,625,274,240
Boards, etc	feet.	375,103,000	388,864,000
Sulphur crude	lbs.	261,842,560	267,637, 440
Hides and skins	lbs.	284,668,656	229,751,187
Lead ore	lbs.	166,788,085	172,027,087
Copper ore	lbs.	67,399,360	147,948,040
Soda, nitrate, caustic	lbs.	868,066,994	377,734,824
Potash	lbs.	108,210,849	121,871, 19 0
Licorice root	lbs.	82,132,005	90,650,10 6
Wool, raw	lbs.	117.645.376	90,427,512
Logs	feet.	76,012,000	80.839.000
Dyewoods	lbs.	105,400,960	72,280,820
Tin in bars, etc	lbs.	54.847.417	56,908,901
Copper pigs	lbs.	54.443.378	56,230,624
Gums	lbs.	58,277,583	49,668,085
Cotton, raw	lbe.	45.764.589	40,608,727
India rubber, crude	lbs.	34,493,337	40,181,040
Cocoa, crude	îbs.	37,289,589	89,022,771
	feet.		31.816.000
Mahogany	lbs.	15,462,404	21,038,107
Leaf tobacco		6.561.880	8.404.924
Silk, raw	lbs.		
Fibers	tons.	187,976	199,832

The following table shows the value of the principal groups of manufacturers' materials imported in the nine months of 1900 and 1901:

	1900.	1901.
Articles.	Dollars.	Dollars.
Cotton, raw	5.689.944	5.576.278
Chemicals, drugs, etc	89,479,137	40.910.420
Fibers, unmanufactured	21.351.842	19,259,909
Hides and skins	39.655.802	41,168,929
India rubber and gutta percha	21,554,804	21,021,442
Silk, raw	26,668,772	26,910,855
Tin	15.281.577	14.679.768
Undressed fur skins	5.101.800	5,833,825
Wood, unmanufactured	11.078.044	12,546,169
Wool, raw	16.591.445	10.504.562
Unmanufactured tobacco	10,568,397	12,476,825
Camanaractured topacco	TA:000.00 (72'ZIO'O'

The manufacture of tin plates was not introduced into the United States only experimentally until 1890.



LEGAL CORRESPONDENCE.

Conducted by William Marston Seabury, Attorney and Counsellor at Law, No. 43 Cedar Street, New York.

Any subscriber to "HARDWARE" is privileged to ask any legal question he pleases in this Department and it will be answered free of charge. Address all communications to Editor "HARDWARE," No. 277 Broadway, New York City.

False Imprisonment.

QUESTION: Some time ago I borrowed \$50 from a person who was then a friend of mine. The debt ran on for a considerable space of time and my friend and I had a quarrel, whereupon he at once demanded that I pay him the \$50. I was at that time in a room in his house, and I told him that I would pay him the \$50 as soon as it was possible for me to do so. He insisted that it should be paid then and there. This I refused to do, and he arose from his seat, locked the door, put the key in his pocket, and declared that I should not leave the house until I had paid the debt. He kept me in this room, he being on the outside, for about six or eight hours, and then the door was unlocked by some one else. Kindly inform me whether I have any redress for such action as this.

REPLY: The action on the part of your former friend described by you constitutes a false imprisonment. In order that a person may be falsely imprisoned it is not necessary that he should be taken to a jail or that he should be confined on legal process. It is sufficient that he be unlawfully restrained of his liberty. You would, therefore, have a cause of action against your former friend in which action you would recover whatever damages, within the bounds of reamon, which the jury chose to allow you.

Powers of Committee of an Incompetent.

QUESTION: About five years ago my brother met with an accident, as a result of which he became partially insane and incapable of attending to his own affairs. He had considerable property at this time and another brother of his had himself appointed as a committee to look after the affairs of the incompetent. About two months ago the brother for whom the committee had been appointed died. I should like to be informed as to what the distribution of his estate will be, and as to whether or not the brother who was appointed as his committee will on that account receive all of his property.

REPLY: Upon the death of an incompetent person for whom a committee has been appointed, the powers of the committee over the estate of the incompetent cease. The Code of Civil Procedure also provides that upon the death of an incompetent, his estate must be administered as though no committee had ever been appointed. The brother who was appointed as the committee would not, therefore, necessarily be entitled to administer the estate, and would only receive his distributive share in your incompetent brother's property. Brothers of a deceased person have an equal right to letters of administration, and the one first obtaining them would be the proper administrator of the estate.

Macried Woman's Right to Dispose of Equity in Property.

QUESTION: Kindly answer the following question through your legal column. Can a married woman in New York State dispose of whatever interest she may have in property situated in New York State, upon which there is a mortgage, without the consent of her husband?

REPLY: In New York State a married woman owning real property upon which there is a mortgage may, without the consent of her husband, convey her interest, which is called her equity of redemption in the premises. In New Jersey, however, and in some other States, which are called common law States, it is necessary when a married woman wishes to convey her real property to have her husband join in the deed. The reason of this is that in most States of the Union, under certain circumstances, a husband is entitled to what is known as an estate by courtesy, which corresponds to the dower estate which a wife has in her husband's property. In States such as New Jersey, a married woman cannot defeat her husband's courtesy without his consent, and for this reason her husband must join in her deed to convey a slear

title. This is not necessary in New York State, for the reason that a married woman may defeat her husband's courtesy either by deed or will, without his consent.

When Quardianship Ceases.

QUESTION: For some years past I have acted as guardian for my niece. I have had entire charge and control of her property, and she has always lived with my family. My niece is now about nineteen years old and is about to be married. I desire to be informed whether upon her marriage my guardianship would cease, and if so, whether matters could be arranged so that I could still control her property?

REPLY: Upon the marriage of your infant niece, your guardianship over her person would terminate, and your niece's husband would become her guardian in that respect. If your niece's husband is of full age, he would also become the guardian of her estate upon her marriage. If, however, her husband is not of full age, the better opinion seems to be, upon marriage the guardian of the husband would become the guardian of the estate of the infant wife as well. If you desire to still control the property of your niece, even after her marriage, and if this was her wish as well, in New York State she could give you a power of attorney to manage her estate for her. We are of the opinion that, as your niece is an infant, it would not be sufficient for her to execute this power of attorney alone, and in all probability it would have to be joined in by her husband. If the actual result you desire to accomplish is the management of her property, if the way suggested was not practicable, doubtless some other means could be found to accomplish the same end.

That Easy Movement.

It is a noted fact that in that marvelous group of high buildings which at the present time represent an era of unprecedented energy in New York, and which include such edifices as the Manhattan Life, Bowling Green, American Surety, Standard Oil, Bank of Commerce, Exchange Court, Manhattan Hotel, etc., the Bommer Spring Hinge is everywhere in evidence. These world-noted hinges have become famous simply on account of "that easy recomment?" which is their prominent peculiarity. Their work is performed calmly but completely. The dealers in Builders' Hardware who do not carry them in stock are surely blind to their own interests, for merit wins friends and holds them. They are manufactured by Bommer Brothers, Brooklyn, N. Y.

George M. Landers' Promotion.

At a recent meeting of the directors of the North & Judd Mfg. Co., Hartford, Conn., George M. Landers was elected president in place of E. H. Whittemore, of Naugatuck, who had resigned. Mr. Landers is the son of the late Hon. Charles S. Landers, and the grandson of the late Hon. George M. Landers, who at one time represented the First District of Connecticut in Congress, and who was one of the leading citizens of New Britain. Mr. Landers is the secretary and treasurer of the Landers, Frary & Clark corporation, and a large stockholder in many of the larger local manufactories. He is a member of the New Britain Glub, and a director of the New Britain Institute. Mr. Landers is a young man of conspicuous business ability. He is a graduate of Yale Sheffield Scientific School. His age is 33 years. Mr. Landers became associated with his father in business and acquired a thorough knowledge of the cutlery and other lines of manufacturing, in which he is interested. The North & Judd Co., of which he becomes president, is the largest manufactory of saddlery Hardware in America. The concern is now erecting an immense new factory. The large interest which Mr. Landers now represents in the company in connection with his recognized business ability made this action of the board eminently fitting, although as heretofore his time will be largely occupied with duties as an officer of the Landers, Frary & Clark Co. by reason of his close relations to that company.

Peters Cartridge Co's. Pan American Exhibit.

Peters Cartridge Co., Cincinnati, Ohio, made a very attractive display of their goods at the Pan American Exposition. It was located in the East Ordnance Building. As a perfect illustration of the superiority of American ammunition for the rifle, revolver and gun, the exhibit was a satisfactory demonstration. It consisted of the products of the company, and included a number of reproductions of the excellent targets that have been made in many important shooting contests. Around two columns, one placed on the right and the other on the left of the exhibit, the products of the company were gracefully arranged, the arrangement being of a character that gave the appearance of the columns being entirely composed of cartridges. Two revolving drums were fitted with transparencies which reproduced the targets referred to. These drums were readily revolved by hand, so that those interested could study the products to the fullest extent. A very attractive part of the ex-



hibit was a large display four feet in height by nine feet six inches in length, which rested on artistically arranged cabinet work. The display was illuminated and consisted of a series of tablets containing figures and illustrations. In a tablet located on the right of the display, there were shown some of the most recent victories in which Peters' Cartridges and King's Semi-Smokeless Powder especially prevailed. On a similar tablet on the left, the several products or the company were graphically displayed. In the illuminated display referred to, five of the spaces were occupied by figures in the different classes of shooting, which were shown in colors presenting a stained glass effect. At the top of the display were exhibited two remarkable targets made by winners at meetings in 1900. A number of other targets were shown which were scarcely less interesting on account of their accuracy and considering the interesting character of the events at which the shots were made, it being noted that all the scores shown were made with Peters' Cartridges and King's Semi-Smokeless Powder. Taking it altogether, it was an exceedingly attractive display, and one well deserving of the attention which dealers handling this class of goods largely show an interest in.

Common Mistakes in Orders.

The writing of orders is a branch of business which may well receive careful attention. It is safe to say that in no other form of writing is so much expressed by a few symbols and abbreviated words as in the concise description used in modern times. And, as is frequently the case, so short and seemingly inexplicit are the marks, that an order which might be perfectly clear to the recipient would be unintelligible to a person in another line. The many thousands of articles comprised in Hardware make extreme care in ordering necessary. Not only is this the case in the name of the article, but the size, material, finish and other information is frequently necessary to correctly describe the goods desired.

It is not surprising considering the haste with which orders are written, that some necessary information is frequently omitted, or that abbreviations are sometimes inexplicit. It then becomes necessary for the recipient to use his knowledge of territory and conditions to determine, if possible, what is wanted.

In a recent issue of the *Hardware Merchant*, Hibbard, Spencer, Bartlett & Co., describe some common mistakes in orders. One of the first essentials of an order, they say, is legibility, and here the typewriter will be found a never failing aid. It is so easy to mistake an "a" for an "o"; "in" for "m"; "ir" for "n"; "e" for "l," or an uncrossed "t" for an "l" in ordinary rapid writing.

As is frequently the case, articles of the same name can be found in widely different lines, making the full name absolutely necessary. A mistake of this nature was recently made; a customer ordered two only No. 12 scrapers. No. 12 veneer scrapers were sent. The customer wanted "Road" scrapers. He might have received No. 12 foot scrapers, but a larger quantity would have probably been ordered. Recently a customer ordered some "R. T." files. "R. T." was assumed to mean "Rat Tail," and round bastard were accordingly sent. He meant "Regular Taper." Both of the above mistakes were due to inexplicit description.

Sending tile cleaners for file cleaners is a mistake rather hard to guard against, as F's and T's are frequently very hard to distinguish.

When a customer orders 6 dozen knives and forks he must expect to receive 3 dozen knives and 3 dozen forks, as these goods are never sold in pairs.

The following instance will give an idea of similarity of totally different articles when hurriedly written. An order was received for "Ass'd Slim Tapers" and "Asses Skin Tapers" were sent. Take a pencil and rapidly write both of the above, one above the other, and note how excusable was the error

A frequent mistake in ordering and filling orders for metallic cartridges is due to the similarity of short and shot. These terms should be very painly written. A long list of similar cases might be cited.

We received an order recently for No. 33 steel measures, and sent the sheet steel half bushel measures of that number. We soon learned that No. 33 steel measuring tapes were wanted, and which might have been sent had it not been for the seeming correctness of the order as written.

The extra charge for tinning sheet copper has been a source of considerable correspondence. One customer wrote that he was short 6 tinnings in the last order. He did not know what they were, but as they were charged to him he wanted them. Another wrote: "On checking your invoice of the ——, I find I am short 12 tinnings, I am entirely out of these goods; please send them immediately."

In 1620, iron works were built in Virginia, but these were destroyed and the workmen massacred by the Indians in 1622.

Toy Sweepers for Little Folks.

Under the above heading the National Sweeper Co., Marion, Ind., are sending out to the trade special circulars in the interest of the line of Toy Sweepers they are engaged in manufacturing. These Toy Sweepers are fully in keeping with the handsome style of their regular goods, being well made and neatly finished especially for the prices at which they are sold under the names of "Our Baby" and "Little Princess," their best selling Toy Sweepers. The "Our Baby" Sweeper is shown in the cut operated by a little girl, and it can readily be seen how cleverly this Sweeper is proportioned for the use it is intended. The "Little Princess," the larger size of the two, is fitted with a rubber furniture protector, and has a heavier brush, and although intended more for a toy, it is perfectly adapted to light household use, but, of course, will not do the kind of work which their regular "Roller Bearing" Sweepers will accomplish. The National



Sweeper Co. is very persistently exploiting their new "Roller Bearing" device as applied to their Sweepers, which is becoming exceedingly popular with the trade. Although they are bringing the most pressure to bear on this "Roller Bearing" feature, they are not neglecting the quality and finish of their goods, which the trade has recognized from the start possess a valuable degree of merit, and greater talking points than anything yet placed on the market.

Lubricated Wire-Patched Bullets.

Sportsmen generally will be interested in the new patent Lubricated Wire Patched Bullets now being advertised and put on the market for the first time by the National Projectile Works, of Grand Rapids, Mich. These bullets have met with favor wherever they have been introduced, and sportsmen who have not yet tested them will be agreeably surprised when they come to use them either for hunting or target practice. They are perfectly adapted to any style of gun, slow or rapid twist, black or smokeless powder, and the manufacturers claim they will not injure the gun and that they are more uniformly accurate in shooting than anything of the kind that has ever been placed on the market. Illustrated catalogues and descriptive price lists will be mailed on application.

HARDWARE PATENTS.

The following list of Patents, Trade Marks and Designs of interests to the Hardware trade are furnished by Davis & Davis, Solicitors of American and Foreign Patents, Washington, D. C., and St. Paul Building, New York City.

PATENTS EXPIRED OCT. 21, 1901.

306,758. F. W. Kenney, Providence, R. I.

306,763. Plane, S. G. Laskey, Chelsea, Mass.

306,839. Pocket Knife, G. W. Korn, New York, N. Y.

306,840. Pocket Knife Handle, G. W. Korn, New York, N. Y.

306,849. MANUFACTURE OF RAZOR BLADES, J. Memmott, Worcester, Mass.

306,862. Screw Driver, J. M. Ricketts, Charleston, Ill. PATENTS ISSUED OCT. 22, 1901.

684,774. Screw, W. T. Baggs, Baltimore, Md., assignor of one-half to H. Mertz, same place.

684,784. Apparatus for Making Lemonade, J. De Bolster, Amsterdam, Netherlands.

684,825. Can Opener, S. A. Johnson, Winona, Minn.

684,846. Level, A. J. Moss, Los Angeles, Cal.

684,873. Sash Lock and Lift, J. J. Schairer, Clint, Tex.

684,877. SASH FASTENER, W. B. Smoot, Salisbury, N. C.

684,992. VISE, J. R. Long, Springfield Township, Summit Co., Ohio.

PATENTS EXPIRED OCT. 28, 1901.

307,131. STAY ROLLER FOR SLIDING DOORS, A. B. Mattoon, Owasco, N. Y.

307,150. Screw Driver and Adjuster, C. Thimas, Terre Haute, Ind.

307,163. Pipe Tongs or Wrench, E. F. and G. A. Barnes, New Haven, Conn.

307,186. Spring Jaw Wrench, F. L. French, Meriden, N. H.

307,187. Screw Driver, F. L. Hamlen and Z. T. Furbish, Augusta, Me.

307,223. Plane, C. H. Pike, West Troy, N. Y.

307,229. BOLT CUTTER, J. R. Rowlands, Brooklyn, N. Y., assignor to J. G. Hoffman Mfg. Co., same place.

PATENTS ISSUED OCT. 29, 1901.

685,273. WRENCH, J. W. Grubbs, Carterville, Mo.

685,275. Mor Holder, W. B. Hadley, Eau Claire, Wis.

685,291. Bucksaw, G. H. Nicol and J. M. Lionberger, Dallas City, Ill.

685,306. Door Check, P. Stewart and O. S. Snyder, Medford, Ore.

685,386. Screw Vise, C. Rauhe, Dusseldorf, Germany.

685,403. Combined Hinge and Door Check, J. Hughes, New York, N. Y.

PATENTS EXPIRED NOV. 4, 1901.

307,440. Bench Dog, T. Crispin, Detroit, Mich.

307,455. Wheelbarrow, J. Graves, Brooklyn, N. Y.

307,472. NAIL EXTRACTOR, W. E. Lawrence, New York, N. Y.

307,507. RATCHET DRILL, C. E. Tunelius, Chicago, Ill.

307,545. C. E. Hart, New Britain, Conn., assignor to Stanley Works, same place.

307,547. WICK TRIMMER, R. Hoffman, Cohoes, N. Y.

307,585. Door Hanger, I. B. Perry, Knoxville, Tenn.

PATENTS ISSUED NOV. 5, 1901.

685,736. DINNER PAIL, O. R. Atwell, Berlin, Neb.

685,801. Outside Window Fastener, A. M. Taylor and F. F. Fogg, Hampden, Me.

685,809. SASH HOLDER AND FASTENER, O. Williams, St. Johnsville, N. Y.

685,811. LIFTING JACK, H. W. Armstrong, Oakmont, Pa.

685,837. Burglar Alarm and Door Check, C. H. Hawkinson, Chicago, Ill.

685,878. Computing Price Scale, E. F. Spaulding, Arlington, Mass.



CONSULAR COMMERCIAL COMMENTS.

AMERICAN MACHINES IN ROUMANIA

A recently published report of the German consul in Bucharest gives information as to Roumania's importation of machines and the condition of that market. The consul notes that during the past year the import of American harrows increased, and attributes this to their price, which is 15 to 20 per cent. lower than the German article. He also says:

In agricultural machines, the United States and Austro-Hungarian makers are the chief competitors of Germany. American firms having agencies are increasing their sales in Roumanian markets. They are meeting the wishes of the buyers in credit terms and peculiarities of style and construction, and are forcing the Austrian agencies to do likewise.

The consul urges German exporters to make efforts to retain their share of this trade. SIMON W. HANAUER,

Frankfort, Oct. 5, 1901. Deputy Consul-General.

Consul-General Hughes, of Coburg, under date of Sept. 24, 1901, says that a prominent business man from Roumania has told him of the many chances that Americans would have in that country. Factories of all kinds would be helped, according to his statements, by the government, especially in the weaving and spinning lines. American goods have a hopeful future in Roumania, if properly introduced.

GLASS WORKS IN SPAIN.

Consul-General Hughes reports from Coburg, Oct. 10, 1901: The German press says that at Gijon, on the north coast of Spain, a company has been started, with a capital of 6,000,000 pesetas (\$1,158,000), for the purpose of establishing glass works and flour mills. Among the goods required are glass-working machinery, fire-proof clay, and calcined firestone. Americans might bid for these supplies.

PRICE LISTS FOR SIBERIA

Consul-General Hughes, of Coburg, under date of Oct. 10, 1901, says:

The trade bureau of the Siberian Railroad publishes a notice that it wishes to have price lists, illustrated catalogues, etc., of all kinds of goods which are necessary and useful in Siberia. The chief of the bureau requests that price lists, sample cards, and catalogues be addressed to Monsieur N. Selikhoff, Service Commercial du Chemin de fer Grand Siberia, Tomsk (Russia).

IMPORTATION OF FARMING IMPLEMENTS INTO TURKEY.

Under date of Oct. 9, 1901, Mr. Eddy, secretary of legation at Constantinople, sends translation of a circular note from the Porte relative to the importation of farming implements into the Ottoman Empire, as follows:

By virtue of a decision of the Imperial Government, the limit fixed for the importation, free of customs duty, of the farming implements mentioned in the appended list, has been prolonged by ten years, beginning from August 4 ultimo (old style). Iron scythes with wooden handles, which figure in this list, returning into the category of tools of old system, will be subjected to the entrance duty.

LIST OF AGRICULTURAL IMPLEMENTS FREE FROM DUTY.

Plows, iron, with wooden handles, worked by hand, horsepower or steam; winnowing forks, of wood or iron, worked by hand, steam, or water power; reapers, binders, hayrakes, harrows, cultivators, rollers, sowers; machines for digging potatoes and beets, for cleaning rice, for crushing seeds and extracting oil, for pulverizing dirt and manures; sieves for cleaning and separating grain; threshing machines, worked by hand, animal, steam, or water power; sawmills, lawn mowers; machines for turning and airing grass, called "Catona;" iron cultivators, called "Muzg;" pulverizers for manure, called "Mihdjem;" machines for cutting beets and for crushing grains, corn, and seeds for animal food; sprayers and garden syringes, sickles, scythes, hoes worked by hand or animal power; sprinklers; machines for distributing fertilizers, for making bales of hay; rakes with grappling hooks, and machines for making and tying bundles of hay.

TRADE OPENINGS IN LOURENCO MARQUEZ.

This office has received many inquiries from manufacturers in the United States who wish to do business with the merchants of this port. It seems to me that a brief general reply might be made, through the medium of the Consular Reports, to all parties interested.

I wish to point out, first, that there will be little business done here until the war has ended. At present, the entire transportation system of South Africa is taxed to its utmost capacity to keep the troops in garrison and in the field supplied with rations, munitions of war, etc., and consignments of goods intended for mercantile houses often lie for months in the holds of vessels at various South African ports before they can be landed. Even after they are landed, if consigned to inland ports, they may have to remain on the docks for weeks before they are finally dispatched by rail to their destinations. Again, railway traffic is not perfectly safe, as the Boers every now and then capture or destroy a train on the line of the Delagoa Bay Railroad.

However, a few people are making preparations for a large business when the time comes, and I would suggest that those interested in this subject correspond with the parties named below.

Isaac J. Lithauer, an American citizen, whose present address is care of J. C. A. Henderson, No. 4 Sun Court, Cornhill, London, England, is making preparations to open a large importing house here, and will handle American vehicles, machinery, tools, furniture, railway and mining supplies, etc.

J. C. A. Henderson, an English capitalist, of the same address, is managing owner of the Lourenco Marquez Water Co., which supplies this town with water. He contemplates making great improvements, and will want steam pumps, boring machines for artesian wells, tools, meters, and steel water pipes. Mr. Henderson has obtained the tramway concession mentioned in my report of Oct. 14, 1898, and intends to build and operate an up-to-date line of electric trolley cars.

R. S. L. Attwell, an Englishman, whose address is Caixa 206, Lourenco Marquez, has secured a large tract of ground from the Portuguese government, and is going into farming on an extended scale. He would like to hear from American manufacturers of agricultural implements and tools, pumps, windmills, tide-water wheels and gearing.

William Blackwood, the leading builder of this district, is thinking of handling building materials and builders' fine supplies, and wants to hear from manufacturers of these lines of goods.

Messrs. Bendahan, Abejdid & Co., an American firm doing a large business here, wish to hear from dealers in boots and shoes, ready-made duck and khaki clothing, hats, furniture and household supplies. W. STANLEY HOLLIS, Consul.

Lourenco Marquez, Sept. 11, 1901.

Success In Advertising.

Government statistics are authority for the statement that the business men of this country are spending something like six hundred million dollars annually in advertising, and it is estimated that nearly one million business houses are regular advertisers. This statement suggests the magnitude to which this department of business has grown of late years. Thousands of men are now devoting their entire time to the preparation and placing of advertising matter and tens of thousands make a living by canvassing for advertisements. An increasing number of large concerns nowadays maintain an advertising department as a part of their equipment and pay handsome salaries to the experts who manage this branch of their business. In short, a new profession—that of advertising expert—has arisen, which offers attractive pecuniary prizes to those who succeed in it. There are few specialties to-day that are more valuable to the young man in business than a good working knowledge of advertising. The demand for well equipped advertising men is away in excess of the supply. To meet this demand a well-known Philadelphia business school has just instituted an advertising course as a new feature of its curriculum. It proposes to furnish to those who are employed or engaged in business pursuits during the day instruction in advertising by means of evening classes. The course mapped out is simple, yet thoroughly comprehensive, including a series of lessons and lectures designed to develop the qualifications essential to a good advertising man-namely, common sense, originality, power of expression and knowledge of human nature. To this should be added a thorough knowledge of the business to be advertised, without which efforts to secure public attention will lack that definite and practical character which is essential to the best results. In any instruction on this subject it should be prominently brought out that many of the popular attempts to catch the public eye, while striking and amusing, are very often unbusinesslike and grotesque. Much of the best advertising is done by men who are in close touch with the business, and without a professional training have developed a skill in this direction. In almost every concern, manufacturing or mercantile, large or small, there is an opportunity for the exercise of thought and skill in this field, inasmuch as good advertising contributes so largely to success in business. Practical knowledge in this field is good business capital .- Metal Worker.

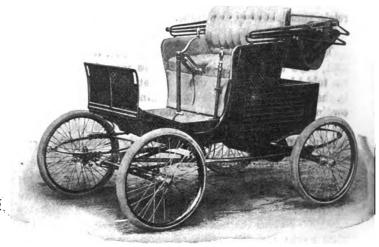
A Big Persuader.

It is fitting that the United States, which has so many of the biggest things, should have the biggest gun. The biggest gun is now awaiting its carriage in the shops of the Army gun factory at Watervliet, N. Y. It was planned ten years ago, and has been over five years in process of construction. It is the most powerful engine of destruction known. It is a sixteen-inch breech loading rifle, and it is intended for harbor defence. Forty of these monsters were recommended by the Endicott board for the harbors of New York, Boston, San Francisco and Hampton Roads. New York was to have eighteen, Boston eight, San Francisco ten, and Hampton Roads four. According to present intentions, this number will be somewhat reduced. Some idea of the size and power of this gun may be had from the fact that it throws a projectile weighing 2,370 pounds. It requires 1,176 pounds of ordinary powder to do this, or 576 pounds of the new smokeless powder. The cost of a single firing of the gun is over \$1,500, of which the projectile alone costs \$1,000. The gun has a range of twenty-one miles. It has a penetrating power that will, it is estimated, bore 42.3 inches into hardened steel. The missile which it hurls is nearly as long as a man, five feet and four inches. It will throw this projectile, if aimed at an angle of 45 degrees, to a height in the trajectory of over five miles.

This great gun could appropriately be called "the persuader." It would have a powerful influence on anything or anybody that it was used against.—New Haven (Conn.) Journal-Courier.

Stevens-Duryea Carriage.

J. Stevens Arms and Tool Co., Chicopee Falls, Mass., have completed arrangements by which hereafter they will manufacture automobiles. They have installed in their factory the necessary machinery, and the Stevens-Duryea Carriage, which is the production they have in contemplation, is shown in the illustration which we show herewith. The room which is now being occupied with automobile machinery is 160 x 45 feet. It is well lighted and conveniently arranged for the purpose to which it is being adapted. The Stevens company has ample power with which to run the machinery. It is thought that the room now being used may eventually be converted into a motor-room alone and the carriage-making transferred to another part of the factory. All of these details, however, will depend upon the number of machines



STEVENS-DURYEA CARRIAGE.

that may be turned out. The Stevens company are in such close touch with the trade that it will be of great advantage to them in placing the goods on the market. This automobile will be equipped with a five-horse power double cylinder, horizontal motor, of the four-cycle type. The transmission will be by gearing, with three speeds and reverse. Intermediate speeds can be secured by throttling the lever. The operation is so simple that a child can work it from the seat with the slightest effort. The body bears resemblance to the steam carriage, though a little shorter. The chief aim has been simplicity without lessening the efficiency. A prominent feature is that the machine requires no additional water for making a trip. With other machines this is claimed to be a common fault. It is also guaranteed that the water will not freeze, chemicals being used as a preventive. Steam carriages are said to consume a gallon of gasoline in from seven to ten miles of travel, but the Duryea machine will consume but one gallon in each thirty miles. The success of the new carriage is believed to be assured, but the Stevens company are going moderately at the work, that the same thoroughness may accompany this product as in the others manufactured by this concern.

Pennsylvania Wholesale Hardware and Supply Association.

The Pennsylvania Wholesale Hardware and Supply Association held its regular meeting in Philadelphia, Pa., on Thursday, Oct. 24. The meeting convened in the rooms of the Philadelphia Hardware Merchants' and Manufacturers' Association in the Bourse Building, and was called to order promptly at 10 A. M. by the president, J. M. Kemmerer, Scranton, Pa. The following members answered to the roll call:



C. Morgan & Sons, Wilkes-Barre, B. F. Morgan.

Phelps, Straw & Co., Wilkes-Barre, Geo. W. Lewis.

Pennsylvania Supply Co., Wilkes-Barre, Wm. H. Cunningham.

Bright & Co., Reading, Pottsville and Hazleton, G. H. Bright.

Jol n II. Obold, Reading, J. H. Reminger.

Stichter Hardware Co., Reading, E. F. Feather and A. B. Stein.

Bard, Schlott & Co., Reading, A. Raymond Bard.

Bittenbender & Co., Scranton, J. M. Kemmerer.

Foote, Shear & Co., Scranton, Frederick W. Shear.

Chas. B. Scott, Scranton, Chas. B. Scott.

Reilly Bros. & Raub, Lancaster, H. L. Raub.

Steinman Hardware Co., Lancaster, H. S. Franklin and G. I. Franklin.

Hazleton Supply and Mfg. Co., Hazleton, Wm. H. Taylor. Geo. Krause & Co., Lebanon, Geo. W. Krause.

P. A. & S. Small, York, Philip A. Small.

C. Driesbach's Sons, Lewisburg, H. G. Driesbach.

A. J. Roat, Kingston, A. J. Roat and H. Roat.

L. C. Thompson, Pottsville, L. C. Thompson.

The minutes of the previous meeting were read and approved. On motion of Wm. H. Taylor a committee was appointed to prepare suitable resolutions upon the death of the President of the United States. The chairman appointed Messrs. Taylor, Morgan and Cunningham as the committee. The report of the Price Committee was presented and read by Mr. Lewis, chairman, and on motion of Mr. Taylor was accepted, and after some discussion on the subject was ordered filed. H. G. Driesbach, Lewisburg, then presented and read a very thoughtful paper on the subject of "Difficulties in the Profitable Conduct of the Wholesale Hardware Business and their Remedies."

It was received with manifest tokens of approval, and on its conclusion a vote of thanks was tendered Mr. Driesbach for his able paper, which was ordered spread upon the minutes of the meeting and the secretary directed to send a copy of it to each member of the association.

A recess was then taken in order to meet the Philadelphia Hardware Merchants' and Manufacturers' Association at luncheon, after which a joint meeting of the two associations was held, and on calling the meeting to order it was decided, on motion, "that the consideration of making a price card be postponed until the next meeting, with a recommendation that local price cards be established as far as possible."

The Committee on Resolutions Pertaining to the Death of the Late President of the United States then reported suitable resolutions of respect, which, on motion, were accepted and ordered spread upon the minutes and the committee discharged with thanks.

A discussion followed on the management of the various Hardware interests. Papers were read by F. W. Huff of the Supplee Hardware Co. Addresses were also made by T. James Fernley as well as a number of others, after which, on motion of Mr. Lewis, it was arranged that the next meeting of the association be held in Wilkes-Barre, Pa., on Feb. 13, 1902, at which time and place the New York Hardware Association would hold their regular meeting, after which the meeting was adjourned.

The officers of the Pennsylvania Wholesale Hardware and Supply Association are as follows: President, J. W. Kemmerer, Scranton, Pa.; first-vice-president, George Bard, Reading, Pa.; second vice-president, A. J. Roat, Kingston, Pa.; secretary and treasurer, H. L. Raub, Lancaster, Pa.

The Executive Committee consists of George W. Lewis, Wilkes-Barre, Pa., chairman; A. B. Stein, Reading, Pa.; H. S. Franklin, Lancaster, Pa.; William A. Avery, Scranton, Pa., and L. C. Thompson, Pottsville, Pa.

These gentlemen were all in attendance at this meeting.

SMOKER.

On Thursday evening the visiting delegates were entertained by the Philadelphia Hardware Merchants' and Manufacturers' Association at a smoker held in the cafe of the Bourse Building, luncheon being served at 7:30 P. M. Besides the delegates of the Pennsylvania Wholesale Hardware and Supply Association, about 100 members and guests of the Philadelphia Association were present. After luncheon William Peters, vice-president of the Philadelphia Association, made an address of welcome to the visiting delegates, and introduced J. W. Kemmerer, president of the Pennsylvania Wholesale Hardware and Supply Association, who responded in a few well chosen words. Wm. H. Taylor, of Hazleton, also made an interesting address, after which an entertainment consisting of songs, humorous recitations and feats of legerdemain followed. Souvenir pipes of unique design were presented to those present, and after voting the smoker and entertainment a brilliant success the delegates and friends departed.

FRIDAY'S EXCURSION.

By previous arrangement the Philadelphia Hardware Merchants' and Manufacturers' Association entertained the visiting delegates on Friday, the 25th inst., by an excursion on the Delaware River and a visit to a number of different manufacturing plants, after which the party returned to the Manufacturers' Club, where an informal luncheon was served, Fayette R. Plumb presiding. Besides the delegates and their friends, a number of prominent manufacturers met at luncheon, after which addresses were made by a number of the visiting delegation.

A vote of thanks was then tendered to T. James Fernley, the Entertainment Committee and the Philadelphia Hardware Merchants' and Manufacturers' Association for the most excellent entertainment tendered to the Pennsylvania Wholesale Hardware and Supply Association.

A Review of the Industrial Conditions of the Thirteen Original Colonies.

In view of the vast and unsurpassed industrial resources of the United States at this time, the beginning of the twentieth century, of great interest is a review of the industrial conditions of the thirteen original colonies preceding and up to the time of the American Revolution. The early industrial conditions of the country are the subject of a studious monograph by Edward V. Shepard, Chief Clerk of the Patent Office, who collected the information in connection with his official duties.

Mr. Shepard's material was put in its present shape for the use of the Commissioner of Patents, but the information will form the nucleus of a much more exhaustive treatise on the subject which will be incorporated in the proposed history of the patent office. A most vivid picture of the primitive conditions, the slow growth of manufactures, and the determined opposition of England to all industrial progress in the colonies, is shown by the following extract from the monograph:

"The clothing of the colonists for many years was obtained from Dutch traders and from England, payment being made in barter of the products of the colonies. In 1660, England prohibited further trading with the Dutch. restriction naturally raised the purchase price of clothing and induced the colonists to attempt to manufacture their own clothing. In 1660 a law was passed in Virginia for the encouragement of textile manufactures, but it was promptly annulled by England. In 1710 the mother country enacted a law prohibiting the carrying of woolen goods and hats from one colony to another. These restrictions placed on the trade were the cause of the colonists wearing dressed skins instead of woolen clothing, although secretly wool was spun and woven by the women of the households, nearly every family weaving its own clothing, blankets and linens, and selling the surplus to neighboring merchants. A woolen hat factory in Massachusetts was declared in 1750 to be a nuisance and was suppressed. A society was formed in 1765 in New York City to encourage the home manufacture of woolens, the members pledging themselves not to eat the meat of lamb and sheep, nor to buy imported woolens. The need of the country was a supply of wool, and the killing of mutton was consequently discouraged.

"Homespun was generally worn, even the troops being dressed in it, while Washington, at the time of his inauguration wore a suit of the same humble fabric. Its manufacture was extremely simple, but the colors used were not fast, so that the wearer of the goods, if caught in a rain, was quite likely to return home unrecognizable.

"In 1794, a successful woolen factory was started in Massachusetts. Grey mixed broadcloth was being made in 1804 at Pittsfield, Mass. The census of 1810 showed that most of the woolen goods were still being made in families. This continued to be the case until the introduction into the factories of the spinning jenny, the power loom, the nap cutter, and other labor-saving devices, the factories simply weaving the yarn that had been spun in the houses in the country, employing the women of the households who were already skilled in the use of the wheel and the hand loom.

"The Secretary of the Treasury in 1791 reported that the manufacture of wool and felt hats was well established, although the industry was but a few years old, as in 1732 England had forbidden their exportation, so that there was no market for the product. Up to 1776 there were no carpets made in the colonies other than rag carpets. England forbade the exportation of knitting frames to the colonies, in order to sell her own manufactured goods here. In 1662, Virginia offered ten pounds of tobacco for every dozen pairs of woolen or worsted stockings. Nothing appears to have been done in the industry, however, until 1723, when a stocking loom was smuggled into the country. At the opening of the Revolution a large supply of stockings was required for the troops, so that stocking factories were established in New York, Virginia and Maryland. It was not until 1831 that power was applied to the looms in the making of hosiery.

"Progress in the manufacture of cotton and silk fabrics, in coal mining, ship building and various other industries was equally slow, for substantially the reasons heretofore given.

"The first settlers in America were from the nature of their surroundings an agricultural people. The few tools they possessed were either brought from England or roughly turned out of such material as their limited facilities permitted. The only metal the Puritans knew was bog iron ore, very brittle, so that it was almost impossible to make suitable tools from it. Their agricultural implements were the plow, occasionally a harrow, spade and a fork, while their household utensils were few and primitive. The policy of the mother country was to make her colonies as profitable as possible to herself. All kinds of restrictions were placed on manufacturing. The colonists were not allowed to sell their products except in England, nor were they permitted to buy except from her, and in her boats. After the Revolution the colonies, being estranged from the mother country, were thrown on their own resources, and an incentive was then given to manufactures and the various arts. crops were tobacco, potatoes, wheat and corn. In Maryland and Virginia the principal industry was raising tobacco. Up to 1812 wheat and flour were largely exported.

One of the earliest inventors, Oliver Evans, gained his wealth and distinction almost entirely through his inventions in flour mills. Before the Revolutionary War the New England colonies carried barter with the West Indies in molasses, rum and sugar. Connecticut and Massachusetts had sugar refining mills. The invention of the cotton gin by Eli Whitney, in 1792, led to the development of the cotton industry in the Southern States. It was largely on account of the importance of this crop that for nearly three-quarters of a cen-

tury the Southern States were so prominent in national affairs. It would be presumed that the attention paid by Americans to the food resources of their country would naturally lead to improved agricultural implements, but for some time invention in this line was very limited. It was not until 1819 that a plow was produced in this country, replacing the cumbrous affairs which were imported principally from Scotland. The reaper appeared in 1833, and a successful thresher not until 1850; but from that time on the total value of the manufacturing interests in this country exceeded that of agricultural products.

"Outside of the cultivation of the soil, other industries progressed very slowly; thus, for instance, although iron ore was discovered by Sir Walter Raleigh in North Carolina, it was many years before the ore was regarded as of sufficient importance to be worked, the raising of tobacco being so much more profitable and easier. However, in 1620, the London Co., of England, sent forty iron workers to establish a "bloomery" in Virginia. The fuel used was charcoal. Unfortunately, the following year the whole working force was massacred by Indians, and it was not until 100 years later that a second attempt to work iron was made in the colonies. In 1627, the General Court of Massachusetts Bay Colony, granted to Abraham Shaw, one-half the benefit of any 'coles or iron stone which shall be found in any common ground, which is in the countrye's disposing.' In 1645, the same colony granted a charter to a company to make iron from bog ore, on the condition that 'the inhabitants of this jurisdiction be furnished with bar iron of all sorts for their use.'

"Ore was discovered in Connecticut in 1651, and there are several instances after that time of special privileges being granted to persons to engage in iron mining. Until 1755, when Darby, an Englishman, discovered a process of working iron ore with coke, which, together with the aid of new blowing engines, made the industry profitable, the working of iron was engaged in but little. At the time of the Revolutionary war, however, New Jersey, Pennsylvania, Connecticut, Maryland and North Carolina found iron mining profitable. The 'bloomeries,' as they were called, required but little skill to construct, and that at a small expense. A building containing a rude hearth and a chimney, with a small water fall to run the blast and hammer, and a convenient supply of charcoal and ore were all that was necessary to turn out a few hundred pounds of iron, which was considered a fair day's work.

"After this the primitive forge remained idle until again called into special use. Pennsylvania began the manufacture of iron in 1717, and in 1728 she had four furnaces. In 1725, all the large coast colonies were producing iron, which was used by the village blacksmith in making simple farm and household utensils, casting hollow ware and fireplace fixtures. A small quantity of this crude iron was exported, and in exchange were taken cutlery, tools and other goods, which the colonists did not possess sufficient skill to manufacture. In 1750, the erection of steel furnaces, rolling and slitting mills and plating forges was stopped by England, as a common nuisance, the policy of the mother country having always been to enrich her home manufacturers at the expense of the colonists.

"In 1750 England restricted iron products in the colonies to bar and pig iron and castings. The blacksmith still worked away at wrought-iron implements. Nails were made by the colonists, at least, in a small way, in a chimney corner, evenings and stormy days. Up to 1776 so little progress had been made in the working of iron that the casting of a ten-pound cannon was of so serious a nature that few dared to attempt it. The Continental Congress used the public funds and employed the troops in starting iron furnaces and factories, and this industry had become firmly established by the end of the Revolutionary war, as had also the manufacture of edged tools, although implements made in this line at that time were crude and not durable."



RECENT TRADE PUBLICATIONS.

CARRIER CUTLERY Co., Elmira, N. Y. Fifty-two-page catalogue, oblong pamphlet, covering their extensive line of Pocket Knives, Razors and Shears manufactured and controlled by the Cronk & Carrier Mfg. Co., Elmira. The catalogue is illustrated with half tone cuts showing every description of pocket knife made by this company, including one and two blade, three and four blade, in all the usual styles of cocoa, ebony, stag, pearl, buffalo horn, etc., etc. It certainly is a very attractive catalogue, and from which a stock of goods might readily be selected without much fear of the result being a disappointing one, as the illustrations are as perfect in the way of description as it is possible to have. The line of Razors that is added to this catalogue, manufactured by this company, is handsomely illustrated in the same manner, indicating the plain and hollow ground styles, and those with ornamental handles. The catalogue includes in its contents the line of shears for which this company is noted in the Hardware trade, including Pocket Scissors, Ladies' Scissors, Straight and Bent Trimmers, Bankers' and Paper Hangers' Shears, Barbers' Shears and Buttonhole Scissors. These goods are furnished in all the up-to-date styles, and finished in full nickel or japanned handle and nickel-plated, the scissors being full crocus finish and nickeled. Altogether, they make a very attractive assortment of goods of well-known excellence.

WAGNER MFG. Co., Sidney, Ohio. Catalogue No. 10, pamphlet form, 72 pages, covering their line of Household Specialties, under the head of High Grade Iron and Aluminum Hollow Ware with the manufacture of which this company has been identified for a long time. It includes in its contents many desirable cooking utensils made in cast aluminum that are perfectly practical. As to this particular specialty, they have devoted considerable time to the perfecting of it, studying constantly the wants of the public, and devising utensils that are not only durable but convenient and easily operated, with the idea of relieving to a great extent the usual labor necessary in the kitchen. The catalogue is fully illustrated throughout with their entire line, and no dealer could fail to find a number of articles he might safely add to his stock. Included in the contents, which embrace everything in the way of kitchen utensils not only in aluminum, but also in polished iron and nickelplated ware, will also be found cast aluminum letters which they manufacture in just such sizes as can be profitably carried in stock by dealers. They are put up by the company in attractive display cases, which assist materially in making them popular sellers. A finely polished oak board is given free with the first order from each dealer for one case of letters. This catalogue is one well worthy of our readers writing for and adding to their Hardware library.

Sawyer Tool Co., Fitchburg, Mass. Catalogue D, small size pamphlet of 64 pages, of the fine tools and Hardware specialties manufactured by this incorporated company. This is the most complete catalogue that they have issued for the benefit of the trade, the prices and lists in this catalogue superseding all previous editions. Among the articles sold by them may be mentioned Steel Rules, Spring Tempered Rules, Graduated Centre Gauges, Draughtsmen's Steel Straight Edges; also Bevel Straight Edges, Combination Squares, Bevel Protractors, Combination Sets and Carpenters' Combination Squares. These goods are all made with hardened blades, embodying the latest improvements in con-

nection with their manufacture. Included in the contents of the catalogue will be found Try Squares, Adjustable Squares, Depth and Bevel Gauges, Combination Bevels, etc., etc. A large variety of labor-saving appliances will be found incorporated in the contents of this valuable little catalogue.

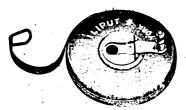
Union Hardware Co., Torrington, Conn., Tower & Lyon, 95 Chambers Street, New York office. Pamphlet catalogue of 16 pages, covering their line of Handles, Base Knobs, Mallets and Turned Wooden Goods of every description, in foreign and domestic woods, either plain, stained, polished or enameled. This line includes Chisel Handles of every description, File and Screwdriver Handles, Jewelers' File and Graver Handles in large variety; Carving Tool Handles, Octagon Screwdriver Handles, Brad, Sewing and Pegging Awl Handles; Brad and Scratch Awls, Plumbers' Drift Plugs and Turn Pins. Included in its contents is a full line of Base Knobs with and without rubber tips; Floor Knobs with rubber ring; round and square hickory and lignum vitae Mallets, etc., Bung Starts, Caulking Mallets and Belaying Pins. They also manufacture Sailors' Palms, Sheaths and Belts and a line of Electrical Supplies in wood, which is a specialty with them, consisting of Push Button Shells, Transmitter Boxes, Battery Boxes, Switch Boards, etc.

THE CHAMPION STEEL RANGE Co., Cleveland, O., have recently printed a handsome catalogue in two colors for distribution to the Hardware and stove trade. This catalogue is profusely illustrated, bound in deep green paper covers, having a side title in silver. The publication consists of 44 pages, and is known as Catalogue No. 5. Full descriptions are given in its contents of the various lines of Champion Steel Ranges manufactured by the company in sufficient styles and sizes to meet varied requirements. In the description given, emphasis is laid on the saving of fuel effected by the householder in the use of these ranges, which is said to differ in construction from others in the fact that they do away with either the cumbersome sand box or cement bottom, resulting thereby in a great saving of weight. The arrangement of the air flue below the main heating flue is such that the air being conducted through the ash pit to the combustion chamber, becomes heated in passing under the main heating flue, producing consequently, it is claimed, a much more perfect combustion and economy in fuel to the extent of the heat imparted to the air in its passage. These ranges are made of cold rolled steel plates, which are carefully fitted and riveted together, and lined with a heavy quality of asbestos. The fire box is lined with two-inch Savage fire brick, and fitted with duplex grate. The oven is so braced as to prevent warping, and yet not to interfere with the heating of it. The oven doors are arranged to open down, thereby forming a shelf, and in this connection are so perfectly balanced that they can be opened and closed with great ease. In connection with the descriptive matter in the catalogue, tables are presented showing the sizes in which the goods are made, the dimensions of the ovens, top surface, size of cooking holes and list prices complete. A useful feature is information given in the closing pages for the dealer when ordering repairs and setting up stoves. Among the newest productions of the company is the double flue, hot blast Champion, a folder describing which accompanies the cata-This is referred to as effecting a saving of at least one-third in fuel. The special features of its construction include interchangeable key plates, pouch feed, roll top closet, screw draft, and encased cast white enamel portable reservoir. In fact, the entire production of this company is claimed to be thoroughly up to date, and deserving the close attention of all Hardware dealers handling steel ranges.

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Liliput Measuring Tapes

One of the industries which has been formerly essentially English, but which has now been brought to a high state of perfection here, practically excluding the English article, is the manufacture of Measuring Tapes, both steel and metallic. This has been accomplished to a great extent by the Keuffel & Esser Co., whose extensive factories are at Hoboken, N. J., with warehouse and office in New York, and branches in Chicago, St. Louis and San Francisco. A visit to their factory (Fig. 1) shows the very latest and most improved appliances for making all kinds of tapes, and a most perfect arrangement for standardizing tapes and securing their utmost correctness. Keuffel & Esser Co. make a very large variety of tapes for many purposes, although the bulk of their manufacture is of the usual steel and metallic tapes, such as are carried by the Hardware trade. Besides they make narrow tapes up to 1,000 feet long for city, railroad, mine and bridge engineering and for surveyors; also the



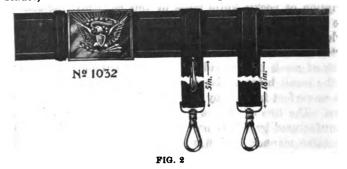
LILIPUT MEASURING TAPES.

so-called band chains, which take the place of the former surveyor's link chains. Their latest production is a miniature steel tape (Fig. 2), made in 25 and 50 feet lengths, and either in 1-10 or 1-12 of feet, which they aptly call the Liliput. The Liliput will be appreciated by those who have frequent use for a tape, and wish to carry it constantly with them on account of its small size and compactness, being about half the size and weight of the well-known Cornell Steel Tape, manufactured by Keuffel & Esser Co., and of the same quality, workmanship, durability and accuracy. The Liliput is made of steel, 1/4 inch wide, in 25 and 50 feet lengths, with stout bent leather case, double-folding flush handle to push open from opposite side, nickel-plated mountings, and is fully warranted. The 25-foot Liliput measures 21/4 x 1/2 inch and weighs complete with case 31/2 ounces. The 50-foot Liliput measures 23/4 x 1/2 inch and weighs complete with case 5 ounces. We would recommend to our readers the catalogue and price lists of Keuffel & Esser Co., as they would certainly be interested.

Boy's Sword and Belt.

Ames Sword Co., Chicopee, Mass., are bringing to the attention of the Hardware trade, who are on the lookout at this season of the year for specialties adapted for holiday sales, what will undoubtedly prove a very taking novelty.

and belts of this kind have never before been offered to the trade for household use. We present illustrations of the two styles, which show the sword and belt. The sword (Fig. 1) is made with emblematical hilt, black twist grip, plain steel blades, and with an embossed nickel-plated steel scabbard,



the mountings of which are either brass or gilt, as may be desired. The blades are 22 inches long, the total length 27 inches, and the belts (Fig. 2) are furnished 30 inches long with outlet unless waist measure is given with order. There is no doubt but what these will prove very popular additions to the original novelties that will be brought forth for the coming holiday trade. Special efforts are being made by a number of manufacturers to add largely to the list, realizing that the forthcoming season is apt to be one in which more money will be spent than usual, the prosperous conditions of the country justifying the outlay.

American Tea and Coffee Extractor.

The Buffalo Mfg. Co., Buffalo, N. Y. (Neal & Brinker, New York), are placing upon the market through the Hardware and house furnishing goods trade the American Tea and Coffee Extractor, patented by Dr. J. G. Van Marter, which has met with unqualified approval wherever introduced. We give an illustration herewith, which conveys a correct idea



AMERICAN TEA AND COFFEE EXTRACTOR.

of its appearance on the table when in use. The reservoir and top, lamp, etc., are made from highly finished copper, nickel-plated throughout, the reservoir being perfectly tinned inside to increase its cleanliness and length of service. The



FIG. 1.

They have long been manufacturers of regulation swords and sword belts, and these they are producing in smaller sizes suitable for boys' use, being an exact copy of the line and staff swords and mounted officers' sabre as worn by the officers of the U.S.A. This is something entirely new, and swords strength of the berry is extracted by a scientific process, an arrangement which results in producing the best results and it is claimed will prevent the incorporation in the product as made of any of those deleterious constituents which overstimulate or irritate the nervous condition of the drinker.

The "Crescent" Household Specialties.

Crescent Mfg. Co., Fremont, O., are placing before the Hardware and House-furnishing trade a large line of house-hold specialties well adapted to become popular sellers wherever introduced. Among those recently added to their long line, we present herewith illustrations of three of them. The

Mantles for Gas and Gasoline Burners.

Now that the lighting season is in full swing, the retailer will need to lay in a stock of mantles for incandescent gas and gasoline burners. Many Hardwaremen are handling this class of lamps to considerable advantage, and the attention of all such is directed to the advertisement of Neuhauser & Co., 226 Washington Street, Chicago, which appears elsewhere in this issue. The manufacture of mantles has made steady progress for some years, and nowhere has this progress been greater than in America; indeed the American mantle is displacing the German even in Europe. One Chicago house



FIG. 1.

first under consideration is the "Crescent" Screw Driver (Fig. 1), the blades of which are forged from very tough grade crucible steel. They are very handsomely finished with rosewood stained handles, and are French polished, the blades being finely nickel-plated, making them one of the most attractive Screw Drivers at a popular price now on the market. They are made in three salable sizes, 6, 7 and 8 inch. They

has a steady trade in Vienna, Austria, and along the Mediterranean, while shipments to South America and Mexico are matters of daily routine. The American mantle of to-day has been developed in response to public demand until it is not by any means the fragile thing it used to be. Neuhauser & Co. call special attention to their XXX Ray mantle and claim that it is the strongest on the market, will give the



FIG. 2

also manufacture the Butcher and Family Steel, an illustration of which we give (Fig. 2), which are claimed to be in point of quality and finish equal to the best imported steels now sold in the Hardware trade. The blades are forged from the finest carbon steel, especially hardened for the purpose for which they are designed, and are hand cut. The handles are made from hard wood, finely finished with a French polish. They are made in the regular sizes of 10, 12 and 14 inch, and

most light and will shrink the least. They have other lines which are also satisfactory and will give good service at lower prices. Dealers carrying these goods should write them when in the market for fresh supplies.

Improved Clipping Machine.

The new 1902 Model Horse Clipping Machine (Stewart's patent), of which we give an illustration herewith, is simple, strong and compact. It has a large wheel which is machined

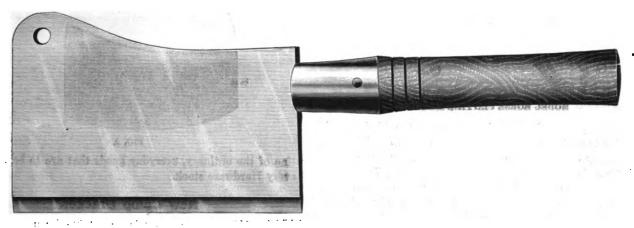


FIG. 8

being fully warranted as to quality, will undoubtedly be welcomed by the trade as an article that will prove exceedingly popular. One of their latest productions is the Family Cleaver, which we illustrate in Fig. 3. They have a highly polished steel blade six inches long, four and a half inches wide, being the most desirable style for kitchen purposes, and of a proper degree of weight. They are finished with apple, wood handle, the blade being fastened to the handle with long closed-end ferrule. The catalogue representing the production of the company should be in the hands of all our readers handling this class of goods, as there are so many desirable goods, as may be inferred by reference to their advertisement in our present issue, that would be found suitable for any stock of Hardware in the country.

all over with edges and periphery turned true and with teeth milled from the solid metal, engaging with a hardened steel cut pinion. The pinion shaft is provided with a turned, and absolutely true balance wheel, weighing two pounds, which revolves at a great speed, completely equalizing the motion. The opposite end of the pinion shaft carries a quarter turn box, completely closed and dust proof (the revolving parts of which run constantly in oil) to which flexible shaft is attached. It has a fine, strong grank handle; the base is exceedingly rigid and strong, insuring a steady standing machine, and permitting the operator to turn with either right or left hand, a feature entirely unique in a clipping machine. When the operator turns the grank handle of the drive wheel he knows that his effort is put to useful effect, while with the

STANLEY RULE & LEVEL CO.

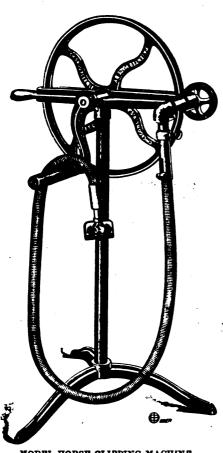
NEW BRITAIN, CONN., U. S. A.

Improved Carpenters' Tools.

BOLD BY ALL HARDWARE DEALERS.

old style belt machine a certain percentage of the power is claimed to be lost by reason of the belt slipping. The 1902 model is furnished with a single balance pressure knife, one that must under any and all conditions keep an eyen, unvary-

ing or scalding the hand. As it is understood that aluminum absorbs heat in a very rapid manner, these kettles are made



MODEL HORSE CLIPPING MACHINE.

ing and equally distributed tension on the blades. This machine is sold at the very low price of \$10.75 and is manufactured by the Chicago Flexible Shaft Co., La Salle Avenue and Ontario Street, with branch offices at 97 Chambers Street, New York, and 6 Denman Street, London, S. E., England. The company have just issued a new catalogue, illustrating everything new in this line. They state they will send it free to any Hardwareman on request.

Aluminum Tea Kettle.

Wagner Mfg. Co., Sidney, O., who are represented in New York City for Eastern and export trade by Neal & Brinker, 18 Warren Street, are placing upon the market a number of specialties in the shape of aluminum hollow ware and kitchen utensils, one of which we show herewith, the two cuts illustrating a tea kettle, the lower part of which (Fig. 1) is a one-piece casting of pure aluminum. The same utensil is represented in Fig. 2 showing admirably one of the special advantages in automatically raising the lid. On one side of the lid, which is also cast in one piece, is a projecting arm, which is placed at a proper angle, so a downward pressure of the wood handled bale raises the lid for refilling the kettle either at the faucet or when upon the stove without the risk of burn-



FIG. 1.

only in one style, that of flat bottoms, but of the several sizes, 6, 7, 8 and 9. They are meeting with a large and extended sale, and have proved exceedingly popular when added to a



FIG. 2.

line of the ordinary, everyday goods that are to be found in every Hardware stock.

New Lamp Bracket.

Flexibility of adjustment is its notable feature.

A pendant adjustable incandescent lamp gas fixture, having all the flexibility of a flexible cord incandescent lamp support, has recently come into extensive use in England, says the Philadelphia Record, where it was first brought out. It has two movements, one vertical and the other horizontal. By the combined adjustment of the two, it is possible to suspend the incandescent gas light just at the most convenient point for comfortable reading. When not in use, the bracket can be swung back over a table or out of the way, and when wanted, it only takes a second or two to make the adjustment. The movement is so easy that there is no danger of injuring the delicate incandescent mantle by jarring.

She— So she refused you?

He—Yes, she said she didn't have the heart to marry me.

REVIEW OF THE MARKETS.

Wire Nails: While a favorable demand continues for this leading staple, the market on Wire Nails is to some extent unsettled, owing to the quotations given by some of the outside sources of supply. While the standard quotations remain the same as far as the mills are concerned, sales have been made in many instances at prices five to ten cents a keg below these quotations. The customary differentials between jobbers and retailers are not always strictly adhered to, as the competing mills are paying little attention to such distinctions. Quotations are as follows: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers in	carload lots	.30
• ••	less than carload lots	85
To retailers	in carload lots	40
••	less than carload lots	សា

New York: Under conditions referred to above, the smaller local demand for this season is favorable in price, even for limited quantities. Prices are about as follows:

Cat Nails: The Cut Nail manufacturers at a meeting held since our previous issue, reaffirmed October prices to rule during November. Owing to difficulty experienced by manufacturers in obtaining a full supply of nail plates, prompt deliveries of steel cut nails have been greatly hindered. Quotations remain as follows: f. o. b. Pittsburgh, plus the actual freight to point of destination, terms 60 days, or 2 per cent. discount for cash in ten days:

New York: Cut Nails have not been in full supply for some time, owing to inability to get mill orders filled promptly. The following quotations represent the local market:

Barb Wire: A slackening demand for Barb Wire is beginning to be experienced, as the season for distribution is gradually drawing to a close. The market is fairly well maintained by the jobbers, as no fear seems to be entertained of any material change in current quotations, which continue as follows: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers	in carload lots, Painted	. \$2.60
44	" Galvanised	. 2.90
44	less than carload lots, Painted	. 2.65
••	" " " Galvanised	. 2.95
To retailers	in carload lots, Painted	. 2.70
To retailers	in carload lots, Galvanized	. 8.00
To retailers	in less than carload lots, Painted	. 2.80
	in less than carload lots Galvanized	

Ellwood and Baker Wire is 5 cents and Washburn & Moen Glidden is 10 cents per 100 pounds higher than the prices above named.

Plais Wire: Large orders are not being given at present for Plain Wire, the demand for which continues fairly good, representing immediate requirements. Quotations continue as previously given: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

	-	•		-
To jobbers in o	carload lots.		\$2.25	\$2.65 2.70
" 1	ess than car	loed lots	2.30	2.70
To retailers in	carlots		2.85	2.75
**	less than c	arload lots	2.45	2.85

The above prices are for the base numbers, 6 to 9. The other numbers of Plain and Galvanized Wire take the advances indicated in the following table:

Pla	in Fenc	e Win	Adva	nces	(Cat	tch W	elghts)	
Nos.					_		Galvi	nised.
	Bı							extra.
10	. \$ 0	.05 ad	lvance	OVEL	base		40	••
11		.10	44	64	64		40	44
12 and 3	124	.15	44	66	**		40	**
		.25	44	66	66		40	**
14		.25	44	66	66		40	44
16		45	44	86	**		76	44
		33.	•	64	•		. 75	44
		70	•	86	86		1 00	44
	• • • • • •		•	44			. 1.00	44

Cordage: While there have been no changes in the market quotations for Sisal and Jute rope, Manila still shows high values, with a limited demand in consequence of this strong feature of the market. The following quotations represent present business:

	Cents
Manila, 7-16 inch and larger	 . 18
% Inch	 . 1814
1/2 inch and 5-16	 . 14
Sisal, 7-16 inch and larger	 91/4 944
& inch	. 944
inch and 5-16 inch	 . 101/4
Lain Yarn, medium and coarse	 . 844
Jute Rope, No 1	 101/4 81/2 61/2
No. 2	 . 6

Linsced Oil: The following quotations are the latest announced by the Dean Linseed Oil Co.:

In lots of less than 5 barrels...... 66 cents per gallon. In lots of 5 barrels or more...... 65 cents per gallon.

The five-barrel price applies only to deliveries of that quantity at one time.

Boiled Linseed Oil, 2 cents per gallon higher than Raw. Calcutta Oil, 85 cents per gallon.

THE PHILADELPHIA TRADE.

November opens with business moving in a satisfactory volume, and the reports from the manufacturers—almost without exception—speak of rushing business.

There is still great difficulty in getting some lines of goods, some manufacturers being from four to five weeks behind on orders—in fact, we know of some who have not filled orders which we sent them six months ago—and we have a recent line of goods in mind on which we were obliged to decline to make any quotations whatever, simply for the reason the goods could not be furnished.

While this state of affairs may not be very satisfactory to those who want goods, still, it betokens an active state of trade throughout the country, and one in which all probably share to advantage.

Reports from the West are still glowing, as prices of farm products are high and the farmers are doing well.

The market seems to be in a very firm condition, and we frequently hear of advances in prices, the latest being an advance on Barn Door Rail.

It is claimed that many goods are now too low in value, and, with the large part of the steel output already pledged for next year, many manufacturers claim that lower prices would not be justified by the situation.

The outlook for the remaining two months of the year is bright, especially in view of the fact that very few cold weather goods have been sold, and if the temperature should fall, all the trade in these lines can be squeezed into the next six weeks.

Our immediate need, however, is for rain, as there has been no rainfall for about three weeks, and the farmers are getting anxious.

BIDDLE HARDWARE Co.

THE PITTSBURGH TRADE.

November opens with a very good amount of business moving. Mild weather held on until the 4th inst., but at this writing we are having rain, so that the break has probably come and more seasonable weather will bring a stronger demand for cold weather goods. The over-crowding of railroad facilities is an index of the condition of business. Coal and iron cannot be taken care of fast enough, and shippers get half the number of cars needed. Delay in delivery of smaller shipments is annoying, but not so serious as actual loss of business in the larger interests. Retail merchants should understand these conditions and not blame their wholesale house when goods fail to reach them promptly. If we were running the railroads, the retailer would have his goods first,



no matter who had to wait. Collections are good; more customers taking advantage of cash discounts than ever before.

Logan-Gregg Hardware Co.

THE CLEVELAND TRADE.

The increased demand for iron and steel is a surprise to those who predicted lower prices in December. It is hard to realize the great change that has come to the country; it came so rapidly. Most of us realize that in our immediate section prosperity reigns, but that it is universal we are slower in perceiving. The farming population on which our city prosperity depends, has been so prosperous that something more than speculation in city lots is behind it all. The demand for goods does not arise from speculation, but it is made from consumers. Jobbers and manufacturers are pushed their utmost and are unable to furnish many goods that are asked for. Many orders taken six months ago are unfilled, and new orders are refused if shipment is specified unless the date of shipment is far in the future.

Prices might be advanced and would be only that the combinations steadily refuse to advance prices. Conservative business men feel like congratulating them for this.

The break in delivery caused by the strike will be bridged by time and the demand supplied without checking it.

If combinations can steady prices at both ends, they will prove their usefulness, and if they show that they have a majority of brains as well as money, we can rest easy.

The writer once heard Mr. Emerson use the for this in a lecture. When his daughter corrected him, he replied, "I am right; it is the country." A few more years like 1901 will make this country the country, as he said it was.

THE LOCKWOOD-TAYLOR HARDWARE Co.

,THE DAVENPORT TRADE.

Good roads, perfect Autumn weather, high prices for farm produce, especially of live stock, all conspire to make the path of the Hardware dealer smooth and pleasant now. While there is no boom and no undue excitement of any kind in the trade, there is a large amount of goods being sold in a very quiet and satisfactory way.

SICKELS, PRESTON & NUTTING Co.

.. THE ST. PAUL TRADE.

On the 4th inst. the weather suddenly changed from soft, balmy, to very wintry, the mercury dropping to 7 degrees above zero. This is unusual with us and causes a great stimulation in certain lines of goods. It's strange but true that while our people know positively that we will have sharp weather sooner or later, many people wait until it arrives before they will fix themselves out with stove, pipe, etc., so this cold snap makes orders for such goods very plentiful and all in a rush. We are well satisfied with conditions as they are. Orders are good. Money is coming in fairly well and prices are upheld.

C. W. HACKETT HARDWARE CO.

THE GRAPHITE TRADE.

There is not much to say about trade other than what we have been saying for many moons past. Trade in all lines of graphite productions continues to be all that one could ask for, and the words "Rush," and "Why don't you ship our order?" are as frequent as ever, and if they are less heart-breaking it is only because we are getting "manured" to them.

We have lately bought property 50x100 feet and shall tear down the buildings thereon and put up additions to pencil and crucible factories.

We have thrown out a new line among the automobile users and manufacturers, and are pulling sufficient new business to warrant the effort. Graphite preparations are equally suitable for gasoline, steam or electric automobiles, and its use brings many surprises. One man wrote us he would as soon think of going without water as without Dixon's graphite.

JOSEPH DIXON CRUCIBLE CO,

THE SANFRANCISCO TRADE.

The consensus of Hardwaremen's opinion is, taken all in all, that the present year is rounding up one of the best that the farmers have had for some time, and the city trade reflects this prosperity in a brisk commerce, both local and foreign. Among the considerable number of members of the trade that have severally expressed themselves in these early November days, there has been heard to say, not one Hardware dealer, that the present year is not so good in a business way as was 1900; as a matter of fact the year's trade condition talk of the week, generally speaking, dovetails with that of S. J. Dean, a Market Street Hardware and mechanics' tools dealer, who on the second day of the month responded to the Hardware correspondent in these words:

My business has run along through the year without any irregularity, the five or six months' labor union disturbances and strikes to the contrary notwithstanding, and my increase to date over that of last year is about twenty-five per cent.

The trade is pleased to report more promptness in deliveries now, mentioning nothing in the complaint line excepting a bit of annoyance on account of behindedness of mills in sheet steel shipping.

A. L. Scott, of Miller, Sloss & Scott, has returned from the Cleveland convention of the National Hardware Association, highly pleased at having been in attendance and feeling that the benefit and inspiration derived was well worth the long journey. He expressed one incidental regret, however, at finding so much accumulated work awaiting him as to forbid his responding to the invitation of the San Francisco and Oakland Retail Hardware Dealers' Association to address their meeting next week.

INDUSTRIAL PRESS ASSOCIATION.

Business Opportunity.

WANTED reliable, enterprising mechanic or manufacturer who can make a Yale lock to take an interest in business based on new and original patents of great merit. Tools made and preliminary work done. Address Clarke Gapen, Madison, Wisconsin.

Side Line Offer.

TRAVELING SALESMEN.—To sell, as a side line, on commission the best household article manufactured. Address THE WOODS-BACON CO. 127 Duane Street. New York. 271

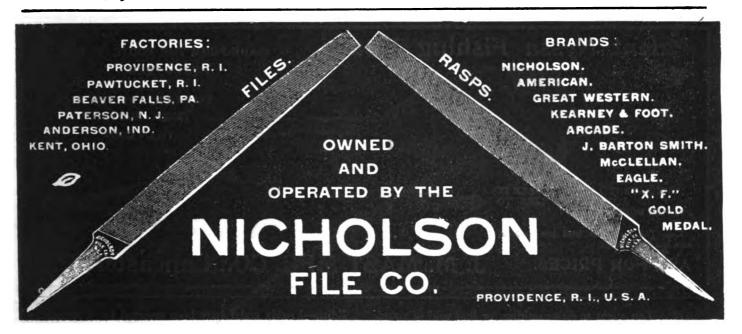
"When you're at a loss for a suitable word do you ever apply to your wife?"

"No," replied the writer, "I don't have to. Her entire vocabulary is coming my way most of the time."—Ex.

"Bill, can yer lend me twopence?"

"Wot a silly question ter arst! Why, if I 'ad twopence, wot 'ud I be doin' standin' outside a public 'ouse!"—Ex.

Sacrifice money rather than principle.



New England Hardware Dealers' Association.

The monthly meeting of the New England Hardware Dealers' Association will be held at the United States Hotel, Boston, on Wednesday, November 13, at 5 o'clock P. M., dinner being served at 5:15 o'clock. At the business meeting, which will take place immediately after the dinner, the Association will have as their guest Congressman Samuel L. Powers, of Newton, who will speak upon "The Typical American." James W. Calderwood will favor the company with some fine vocal music. The Entertainment Committee consists of D. Fletcher Barber, Boston; D. L. Billings, Dorchester and James A. Farless, Boston.

Concert-Giving Cats.

How the Hardware dealer heads them off.

"There are various kinds of catguards," said a dealer in Hardware and kindred supplies, "but this is what we sell most of;" and the sample he showed was a section of a guard that is made in yard-long lengths and consists of a board strip three inches wide, surmounted by a top of zinc bent in the form of an inverted trough and with its lower edges nailed to the sides of the board strip. The zinc has at regular intervals of an inch or two along its ridge holes through which project foot-long spikes. This guard is nailed on top of a fence.

"It is not necessary," the Hardwareman went on, "to put the catguard along the whole top of a fence, but only at the points of approach; that is to say, at places where the cat can get at the top. Even the spryest cat cannot go right up the sheer face of a high fence, and so along such a section you don't want the guard; but you do want it, for instance, at the corners where a cat could approach your fence along some other; and here you want it for a little distance along each angle.

"This discovery was made for himself by a customer of ours who put a section of the guard across the end of his back fence where the end of the next yard fence joined. This section of guard projected out a foot and a half on either side clear of the top of his fence, and it seemed impossible for any cat to get around that. Nor could any cat get around it, but the day this guard was put up a cat came along the top of the neighbor's fence, halted at that formidable new barrier, and looked it over carefully for a moment, and then softly jumped over it.

"That's why at fence angles we put up a strip along the top of each of the fences running from the corner; the cat could jump over a strip placed simply across its path, but it can't jump over three feet of it placed lengthwise on top of a fence.

"Then people put it up on fence tops away from corners wherever there is an approach to any particular spot from the other side, other than along a fence; as, for example, along bars running from fence top to fence top across the neighboring yard, such as clotheslines are attached to. Or there may be in the next yard against the fence at some point. a flower stand, or some other object that would afford the cat a means of approach; if so, you place a section of the guard there.

"In fact, the cat may reach the top of your fence in various and unexpected ways. And our customer who told me of his experience with the cat that had easily jumped his first erected guard said that he had found it an interesting study to observe the several ways by which the cats had reached the top of his fence, some of these being quite unlooked for, and he had found then a further and far greater pleasure in planning such arrangements of the cat guard as would serve effectually to keep them out, which he had finally succeeded in doing.

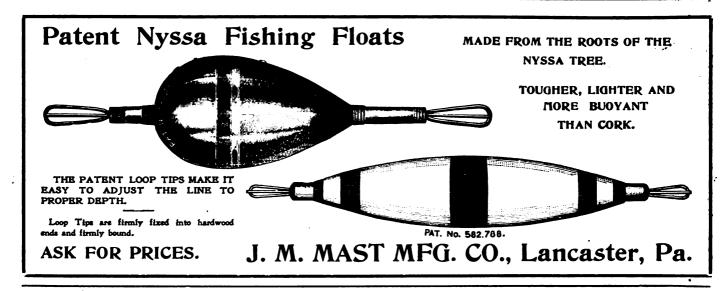
"There is, indeed, no doubt that with this guard properly placed you can keep the caterwauling cat off the premises, and there is demand enough for such things to make cat-guards in one form and another regular articles of sale in city Hardware stores."—N. Y. Sun.

New Tire and Rim Cleaner.

Cyclers who live in city houses are generally compelled to store their wheels in the house, which means that there is a great deal of dirt to be cleaned up after them, even on dry days, and in wet weather if a cycler is caught out in the rain the dirt is worse than ever.

Often there is not sufficient time to wipe off the wheel, and the mud is left to dry and fall off the first time the bicycle is moved, but if every cycler would provide himself with a machine recently invented, the time required to clean the wheel would be small and the satisfaction of having a clean wheel correspondingly great.

In operating the device one of the wheels is dropped on two rollers, one of which is connected with a crank by a chain. Upon turning the crank the wheel is rotated, with the tire and rim between stationary brushes, and the mud and dirt quickly removed. The brushes are made adjustable to fit tires of different sizes, and a cleaning wire is arranged to be swung up by the foot against the tire, in case the mud is so thick as to render its aid advisable. A pocket is arranged to catch the dirt as it falls from the tire, and this may be inverted for emptying. Thomas L. Barlow, of Boston, Mass., is the inventor.



Dobbs—You ought to do something for that cold of yours. A neglected cold often leads to serious consequences.

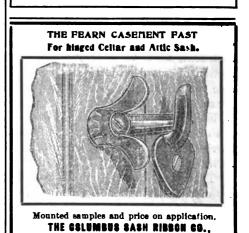
Mobbs—This one isn't neglected. Four or five hundred of my friends are looking after it.—Ex.

Edith—Freddy and I have been engaged for a month and nobody suspected it.

Ethel— No; everybody thought from his looks that he'd been playing the races.—Ex.



the value of newspaper advertising because every day shows more and more plainly the desire of newspaper publishers that advertisers shall have the best service in their power, and because the merchant more and more feels the necessity of getting out of the space used full value for what he paid for it. . .



COLUMBUS, OHIO.



AMERICAN BUTTON PLIER

MADE FROM GOOD QUALITY SHEET STEEL, FULLY WARRANTED. STRONG, DURABLE AND CHEAP. MADE IN 6, 8 AND 10 INCH.

REVERSE SIDE

FARMERS' CHOICE PLIER.

THIS PLIER HAS OUR STAPLE PULLER ON ONE SIDE AND CRONK CUTTING PLIER ON OPPOSITE SIDE, ALSO ONE BUTTON CUTTER AND A WIRE SPLICING CLAMP.

IT IS MADE FROM FORGED TOOL STEEL AND THEY ARE FULLY WARRANTED.

WRITE FOR CATALOGUE SHOWING FULL LINE OF PLIERS AND OTHER GOODS.

ELMIRA, N. Y. CRONK & CARRIER MFG. CO.,



FOR GUNS, BICYCLES AND DELICATE MECHANISMS.

"3 in 1" is the ideal lubricant. It will not gum, thicken, turn rancid, or collect dust.

Cleans and polishes and positively prevents rust on metal surfaces in any climate and any kind of weather.

Better than furniture polish for veneered and varnished surfaces.

Easy to buy and easy to sell, money for you, your customer, and your customer's customer. Dealers everywhere are selling it. Why don't you supply the demand?

SOLD BY ALL JOBBERS. MADE BY

G. W. COLE COMPANY.

249 Washington Life Building,

New York City.





The Cheapest, Best and most Profitable on the market. Write for prices.

Favorite Novelty Co., 139 Beaubien St., Detroit, Mich.



HEATING MILK FOR THE BABY.



One of the Best Mediums Known.

C. T. Williamson Wire Novelty Co., Newark, N. J. [Corkscrews] To present new goods to the trade we consider HARDWARE one of the best mediums known.

AMES SWORD CO., Chicopee, Mass.

BOYS' SWORDS AND BELTS.

Here is a novelty for your Christmas trade.

Not a toy, but a real sword, same as worn by officers of the U. S. Army, reduced in size.

It will make a fine addition to your show-case display.

WRITE FOR PRICES.



The Mat That Wears

HE MOST durable, flexible and pliable mat made. It is reversible, cannot warp or curl at the sides or edges, and adapts itself to unequal surfaces. It always lies flat.

THE KEYSTONE STEEL MAT

THE KIND YOU CAN SELL

Samples Furnished on Application & & Liberal Discounts to the ъм keystone steel matting co., H. J. RENDRICKS.

524 4th Avenue, Pittsburg, Pa.



Manager

The Model Stove Truck is out of sight when under a stove.



Is all steel, has only one adjustment, is practically indestructible.

We offer to take back and refund money if, after a month's trial, the Model is not satisfactory.

SEND FOR CIRCULAR AND PRICE.

The S. M. HOWES COMPANY,

Boston, Mass.

The Acme of Perfection is the "Challenge" Stove Drum.

The Only Product on the Market which can be Thoroughly Cleaned from Top to Bottom Without Removing the Stove Pipe and Soiling the Flooring.

Soot Being a Non-conductor of Heat, the Drum Must be Thoroughly Clean to get the Best Results. THIS THOROUGH CLEANLINESS ONLY BEING POSSIBLE IN THE "CHALLENGE."

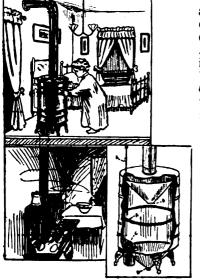


Fig. A. Coil Scraper for cleaning sides and

Fig. E. Rod by which Scraper is operated. Fig. B. Opening in upper cone to release cumulated ashes and soot.

Fig. C. Shield to prevent ashes and soot from failing into the stove pipe below.

Fig. B. Screw cap opening at bottom of lower cone for the release of all ashes and

In all the old style drums it is necessary to first take down the pipe and drum to clean it, making endless soot and dirt. The "Challenge" overcomes this difficulty in a very simple manner. The bottom of the drum is shaped conical, with a screw cap at its lowest point. (Fig. D) A wire coil or scraper, (Fig. A), extends around the drum on the inside in a circle with a rod, (Fig. E) attached, extending through the top. To clean, it is only necessary to put a pan under the drum, push the rod up and down a few times, which scrapes all the soot from the sides and top, and allows it to fall to the center of the cone-shaped bottom. Then remove the screw cap, (Fig. D), and the soot and ashes all fall into the pan placed to catch it. pan placed to catch it.

Any practical stove man knows that the soot on the sides of the drum cannot be removed without being scraped off. The only soot and ashes removed by other cleanouts is what might fall to the bottom and it would not be necessary to remove this at all, as a drum never heats

from the bottom, but from the sides and top.

We guarantee that this drum will heat more than double the amount of space heated by any other drum.

We have an interesting proposition to make dealers. Write for particulars to-day as our offer cannot be held out very long. Manufactured only by

WESTERN TIN AND JAPAN MFG. CO.,

124-126 East Eighth Street, Cincinnati, Ohio.



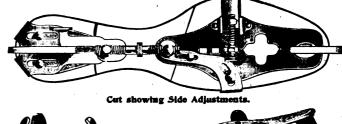
WINSLOW'S NEW SIDE ADJUSTMENT-SKATE

Which can be adjusted on the boot as the skater may desire. The runners have FLANGED BOTTOMS which make them light but strong.

We manufacture the largest assortment of Standard Lever Adjustment Skates for Men and Women.

Beautiful Hanging Signs illustrating our Ice Skates and Double Runner Skate will be sent to Dealers upon application.

Our 1901 Catalogue is completed and we will send it to any address.



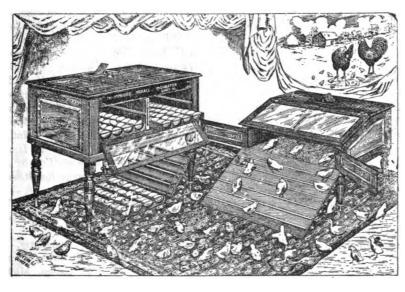


The Samuel Winslow Skate Mfg. Co., Worcester, Mass.

IMPROVED NOXALL INCUBATORS AND BROODERS

Manufactured in Sizes from 50 to 800 Eggs.

We have decided to place our incubators and Brooders on the market through the Hardware dealers, and we offer them the exclusive agency and give them a liberal discount. Good profits. We run an ad. stating where Incubators and Brooders can be seen. Normalis are fully warranted. Used by the largest poultry raisers. Simple, durable and self-regulating.



OUR 1902 INCUBATOR has all the Latest Improvements, and is guaranteed to be as represented or money refunded. Our new developments make the Noxalls a Dead Sure Success.

We offer \$100.00 to any manufacturer who will produce an Incubator and Brooder that will hatch and raise as many chicks as the Noxalls. They are indorsed by the best poultry and agricultural papers, and are backed by sworn Testimonials. Write us at once for the agency. 20th Century Catalogue 4 cts.

Box 54. NOXALL INCUBATOR & BROODER CO., Quincy, III.



quested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

Incorporations, New Stores, etc.

Aberdeen, S. D.—The Heileman building, on South Main Street, which has stood vacant since it was burned out, is to be rebuilt and will be occupied by a new Hardware firm composed of R. L. Champlin and W. J. Keane.

Atchison, Kan.—J. M. Hull will erect a store building in Highland and put in a large stock of Hardware.

Berkley, Va.-E. F. Sawyer, of Elizabeth City, N. C., and R. H. Wingfield, of this place, have secured the vacant store at the corner of Liberty and Main Streets, where they are arranging to open a Hardware store.

Cameron, W. Va.—A charter has been issued to the Cameron Hardware Co. for the purpose of carrying on a wholesale and retail Hardware business. Capital stock, \$50,000. Incorporators, W. C. Wawhing, J. B. Barnes, S. E. E. Leech, Nicholas Powers, David Powers, all of Cameron.

Fulton, Mo.—The Judt-Craghead Hardware Co. has been incorporated; capital, \$6,000. Incorporated by R. I. Craghead, E. Scott Houchins and John N. Judt.

Jackson, Miss.-Jackson will have a wholesale Hardware firm. Thos. McClelland being the promoter of the enterprise and will carry a \$100,000 stock. The building will be located on the corner of West Capital and Gallatin Streets, and when completed will cost about \$8,000.

Mobile, Ala.-Dorgan-Goodbrad Hardware Co., 71 Dauphin Street.

New London, Ia.-John Ebelheiser has entered into partnership with W. W. Cunningham in the Hardware and implement business. The firm will be known as W. W. Cunningham & Co.

Changes and Improvements.

closing out his stock of Hardware.

Cambridge, Ia.-J. M. Bartlett has bought the Hardware store of Cole Bros.

Chapman, Kan.—D. F. Erwin has purchased the Chapman Hardware Co.'s store.

Clyde, O.-C. W. Arner has purchased the interest in the Hardware business here of his partner, W. C. Starr, and the firm of Starr & Arner will be dissolved as soon as the invoice of stock is finished.

Corpus Christi, Texas-Randolph Robertson, of the Hardware firm of Bluntzer, Robertson & Co., has disposed of his interests in the establishment to Frank Goshorn, formerly of Houston. The old firm name will be retained, it is said.

East Aurora, N. Y.-E. E. Henshaw has been remodeling his show room and is put-possession. ting in a line of light Hardware.

Franklin, Tenn.-D. A. Hatter has purchased the interest of his partner, W. H.

Berry, in the Hardware business and will conduct the business alone.

Fredericksburg, Va.-John A. Stone, who has been engaged in the Hardware business here for years, has sold out and retired, owing to ill health.

North Adams, Mass.—Work on the addi- \$75. tion to Alderman & Carlisle's Hardware store in the Hoosac Bank block, is being \$100. pushed, and will be finished in about two weeks. The addition will give the firm a large office and a good amount of store \$25. room in addition to what they have now.

Paterson, N. J.-George A. Myers & Co., Hardware dealers, have removed from 60 Broadway to their new store at 63 Washington Street. This became necessary owing to the increasing business of the firm demanding additional floor space.

Payne, O.-Sullivan & Malloy have purchased the Countryman stock of Hardware E. S. Laranay has been closed by the sheriff. at Haviland.

Prescott, Mich.—Fred Rice is building a Hardware store opposite the Mills Block, on Washington Street.

Prospect, O.-C. E. Dix & Son, of Marion, have purchased the stock and good will of the S. Neimeyer Hardware store and taken possession.

Roanoke, Va. - The Fairfax-Roberts Hardware Co. have leased the Wood Building on State Street, and will establish a wholesale Hardware house in Bristol about the 15th of January next.

Shippensburg, Pa.-J. W. McPherson & Sons have purchased the Hardware stock of W. A. Cox, of East Main Street, and will continue the business as a branch store of their well-known establishment.

Toledo, O.—The Norton Hardware Co. has been reorganized and merged into the Norton Paint and Hardware Co. Articles of incorporation were taken out with an authorized capital stock of \$50,000. incorporators are Messrs. William H. Norton, Herbert S. Norton, C. Ralph Norton, Frank H. Greer and Attorney Harry W. Alexander, N. Y.—Norman Bentley is Lloyd. The new company will meet shortly and elect officers.

> Vermillion, S. D.—Hanson & Dorr, prominent Hardware merchants, have disposed of their business to E. D. Hawkins.

> Wardner, Idaho-A. J. Knight, of the furniture and Hardware firm of Greer &

West Somerville, Mass.—The old established Hardware store of W. L. Snow has changed hands. The new proprietor is Albert Vanderhoof, who for thirty years has store. been in the Hardware business and now has secured an old established and paying busi-

Yates City, Ill. - William Miller has bought the Hardware stock of J. W. Wood, the stock invoicing \$4,500, and has taken Loss, 2,000; insurance, \$1,500.

Burglaries.

Fond du Lac, Wis.-Wilkie Hardware Co. Gladwin, Mich.-Fraser & Button.

McKenzie, Tenn.-Marshall & Hamilton. Guns. etc.

Mt. Joy, Pa.—John H. Buohl. Loss, \$500. New Orleans, La.-A. Baldwin & Co. Revolvers and razors.

No. Yakima, Wash.-D. R. Borton. Loss.

Pawtucket, R. I.-A. F. & F. Bray. Loss,

Pleasantville, O.-Rowles Bros.

Syracuse, N. Y.—Spalding & Co. Loss,

Wyoming, Pa.—Arthur Shoemaker. Loss; \$75.

Recent Embarrassments.

Brookhaven, Miss.—The firm of E. M. Price & Co., Hardware dealers, of this city, have filed a petition in bankruptcy. Liabilities, \$4,300; nominal assets about the same.

Cleveland, N. Y.-The Hardware store of

Comanche, Tex.-Fred Grimm, a Hardware merchant of this place, has made an assignment for the benefit of his creditors. E. M. McDermott was named as assignee. Liabilities, \$3,000; assets, \$1,200 to \$1,500.

Fort Worth, Tex.-H. L. Lathrop, Hardware dealer, has filed a petition in voluntary bankruptcy with the clerk of the Federal court. The schedule of assets show a total of \$15,125. The liabilities are \$12,605. Of the assets \$3,850 are exempt. John C. Phelan was made trustee.

Mansfield, Tex.-W. L. Hutcheson. a Hardware and implement dealer, has filed a petition in bankruptcy. His assets are about \$32,000 and the liabilities about 46,000.

Mexico, Mo.-V. O. P. King, Hardware merchant, has made an assignment. The assets, including the stock of Hardware, are given at \$6,000, and liabilities in the neighborhood of only \$4,000.

Monticello, Ind.—A voluntary bankruptcy petition has been filed in the United States District Court by William Million, a Hardware and implement dealer. Assets, \$1,-049.37; liabilities, \$1,813.28.

New York, N. Y.—Samuel Nafew, of 453 Canal Street, a dealer in Hardware specialties, has filed a petition in bankruptcy with liabilities \$6,767, and no assets.

West Point, Ga.-Frank Adams has assigned in favor of Beck & Gregg Hardware Co., of Atlanta. They hold a mort-Knight, has sold his interest to his partner. gage for \$1,600. Total indebtedness is not known.

Recent Fires.

Brandon, Man. - Johnson's Hardware

Dougherty, Ia. - Morgan & Co. \$8,000; insurance, \$6,000.

Galien, Mich.-E. S. Babcock. Loss, \$1,300.

Johnsonville, Tenn.-James R. Brockus.

Knoxville, Ia. - Vandrimmelin & Co. Loss, \$5,000; insured.

Monroe, Wash. - B. F. Monk. Loss \$2,000.00 (2000.000) 1000.000 (2000.000)





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Willoughby, Ohio.



HARDWARE MANUFACTURERS' RECORD.

If rdware manufacturers over the country, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc., will be gladly received, and promptly published.

New Incorporations, Etc.

Ashtabula, O.—Geneva, this county, is to have a new industry which will employ 200 men before the Winter is over. Both lights and measures will be manufactured by the Gravity Self Measure and Light Co.

Bessemer, Ala.—J. G. Newbegin, a wealthy manufacturer of Blue Bend, Ill., has purchased a tract of land in Bessemer and will shortly erect a \$25,000 plant for the manufacture of wheelbarrows.

Canton, O.—Climax Vapor Lamp Co. has been incorporated. Capital stock, \$10,000.

Chicago, Ill.—Lang Cutlery Works has been incorporated; capital stock, \$25,000. Incorporators, B. B. Lang, E. H. Byers and M. A. Lang.

Cohoes, N. Y.—Peck Edge Tool Co. has been incorporated; capital, \$75,000. Directors: Frederick W. Peck and Eleazar A. Peck, Cohoes; John H. Quimby, New York City.

Detroit, Mich.—The Peninsular Tool Mfg. Co. has been incorporated with \$25,000 capital. Incorporators, Norman F. Roadhouse, Celenus L. Burr, L. George Rakeshaw, Arthur L. Bresler, Eugene A. Bresler, and George Rakeshaw, trustee.

Erie, Pa.—John A. Lang, R. T. McClure, H. E. Fish, John Jordan, of Sharon, and C. F. Williams, of Ellwood City, have formed a company and are about to apply for a charter for the incorporation of an establishment for the purpose of manufacturing tools of different kinds, especially machinery tools. The capital will be \$60,000. The company will probably locate its works along the Lake Shore tracks west of this city.

Frankfort, Ky.—Articles of incorporation have been filed for the Gate City Stove Works, which company will have this city for their headquarters. They will manufacture the Wilson-McCloskey Gas Stove and put large numbers of them on the market in the near future. Of this new company, Coon Kinner, of Kinner, Ky., is president, C. F. Wilson, general manager, and James P. McCloskey, secretary and treasurer.

Louisville, Ky.—The Louisville Shovel Co. yesterday opened its work at Floyd and Lee Streets. The company owns its own site, covering about three acres. Its buildings are of brick, and are equipped with the most modern machinery. The plant's daily capacity is 150 dozen shovels, and in addition to this, a large number of spades, scoops, rakes and forks will be turned out daily. About 100 workmen are employed. The officers of the company are well-known Louisville business men, and consist of the following: J. P. Ouerbacker, president; Harry Klapheke, vice-president. These gentlemen are connected with the O. K. Stove

Co. The secretary and treasurer is D. hundred and fifty men will be employed.

Davis, of D. Davis & Son.

The company expects to manufacture plated

Milwaukee, Wis.—A new plant is about to begin operations in Milwaukee, in manufacturing lathes, tools and machinery of all kinds. The firm is styled the Milwaukee Machine Co. Articles of incorporation have been filed by C. Edwin Search, Edward Cheshire and Frederick W. Weis. The capital stock is \$50,000.

New Castle, Pa.—The New Castle Forge and Bolt Co. has purchased five acres of ground and will at once begin the erection of a plant for the manufacture of shafting, nuts, bolts and rivets. The company has a paid up capital of \$75,000, which will be doubled. The following board of directors was elected: Frank Ryman, of Pittsburgh, for eleven years with the Oliver Nut and Bolt Works; A. B. Whielden, of the Steel Car Forge Co., of Ellwood; W. H. Cox and T. F. Morehead, of this city, and J. C. Roberts, of the Pressed Steel Car Co. Work on the buildings will be begun at once and it is said the plant will be in operation in ninety days. It will employ 250 men and boys.

New Orleans, La.—The charter of the Standard Pulley Co. has been filed in the Mortgage office. The capital stock is fixed at \$25,000, and it is the largest concern of the kind south of the Ohio River. The officers are: P. H. McArdle, president; B. T. Patterson, vice-president; O. H. Van Horn, treasurer; W. B. Ramsey, secretary.

New York, N. Y.—Criterion Gas Stove Mfg. Co. has been incorporated. Capital, \$20,000, and directors: Herman Kroesel, Louis Silverman and F. R. Kinkelin, of New York City.

Pittsburgh, Pa.—American Nut and Bolt Fastener Co. will soon apply for a Pennsylvania charter to manufacture a patented product in or near Pittsburgh. The company will start with \$50,000 capital. The incorporators are Milton Bartley, Harvey Bartley, S. E. Moore, George R. Pearson and Robert M. Hamilton.

Portland, Me.—American Safety Razor Co. has been organized for the purpose of manufacturing razors and razor blades, \$500,000 capital stock. The officers are: President, King C. Gillette, of Brookline, Mass.; treasurer, Jacob Milborn, of Brookline, Mass. Certificate approved Oct. 11, 1901.

Saltillo, Tenn.—Wakefield & Orr are putting down at Sibley an axe-handle factory and will be ready for operation soon. This enterprise will give employment to several men, besides opening a market to the holders of timber, in which there is some of the best hickory in the country, which is in large tracts.

The officers of the company are well-known Louisville business men, and consist of the try is the Sistersville Novelty and Cutlery following: J. P. Ouerbacker, president; Co. A plant is now in process of construction, and is expected to be in operation withtlemen are connected with the O. K. Stove in sixty days. It will cost \$30,000. One

hundred and fifty men will be employed. The company expects to manufacture plated ware of all kinds, including knives and forks, spoons, silver plated ware, etc. The projectors come from Beaver Falls, Pa.

Skowhegan, Me.—A large tract of timberland north of Mercer has been purchased by S. L. Marble and H. A. Kennison, of Springfield, Mass., who propose to erect a shovel handle factory on Sandy River, near Starks. There is a great quantity of white ash in the Sandy River valley, sufficient, it is believed, to provide timber for a factory that will turn out roo,000 dozen handles each season for a quarter century.

South Bend, Ind.—The Oliver Chilled Plow Works have filed new articles of incorporation, giving its capital at 500,000. The directors are James Oliver, Joseph D. Oliver and George Ford.

Topeka, Kan.—Topeka is to have a new industry, the manufacture of an improved stove-pipe collar and a flue stop. The exclusive right of manufacture is in the hands of the Goodwin Mfg. Co.

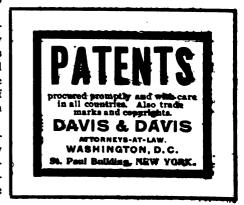
Changes and Improvements.

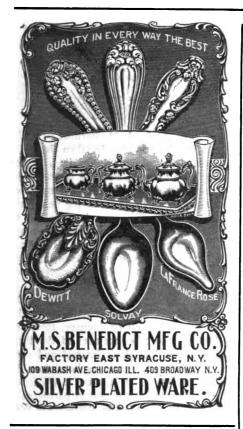
Cadillac, Mich.—The Cadillac Handle Co. has purchased twenty acres of land adjoining the site of the factory destroyed by fire several months ago and will begin building within a few weeks.

Canandaigua, N. Y.—Alex. Davidson has purchased the plant of the Robinson Chilled Plow Co. for \$5,000. It will be continued in operation and will eventually be enlarged.

Fair Haven, Conn.—Out of the ruins of the National Wire Corporation's plant are rising the walls of the building for the new plant. The destructive fire that visited the mill property last Winter wiped out the entire plant of the Wire Corporation and threw out of employment a handed or more mill hands, the majority of whom were residents in that section of the city.

Jersey City, N. J.—The receiver of the Spring Torsion Balance Co., George R. Beach, reported to Vice-Chancellor Stevenson at Jersey City that he had sold the company's plant for \$35,000 to Harold Keese, who was one of the stockholdera. The habilities of the company were \$300,000. It went into bankruptcy because of trouble among the stockholders.







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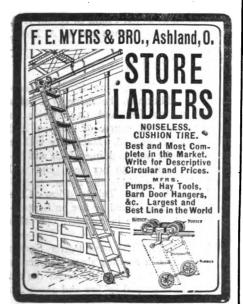


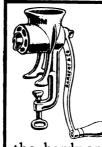
The Tabor Revolution Counter, Elizabeth, N. J.

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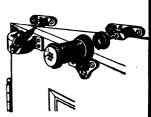




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because the selling means added to profits-good for handle. the man who buys it because it closes doors noiselessly and is sure to give

satisfaction. The Eclipse stands the test of time.



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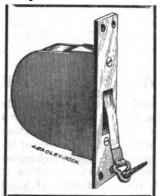
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YCLE AND SPORTING GOODS RECORD.

Bicycle manufacturers and dealers, the ntry over, are requested to contribute to this page. News of new stores, changes, iments, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Augusta, Me.-M. Abbott Frazar Co. has been organized for the purpose of dealing D. Caldwell. in taxidermists' and sportsmen's supplies and goods with \$10,000 capital stock. The officers are: President, M. A. Frazar, Boston; treasurer, Joseph Williamson, Jr., Augusta.

Buffalo, N. Y.—The G. A. Hosmer Co. has been incorporated with \$15,000 capital, to manufacture lubricating oils and bicycle supplies. Directors: Oliver Cabana, Giles A. Hosmer and Leon M. Cabana.

Paris, Me.—C. L. Cummings has opened a repair shop.

Changes and Improvements.

dissolved.

Bridgeport, Conn.—Richard Whelehan, bicycle dealer, will remove his headquarters

at 331 Main Street, announce their purchase & Chretien, 625 Main Street, which business Mfg. Co. they will continue. The 331 Main Street bing of tires.

Buffalo, N. Y.—The Kelsey Co., jobbers in bicycles and parts, have purchased the Barwest Coaster Brake Co. is now 83 Chamton, 41 Court Street. This will give the the nature of a considerable expansion, the ness.

Chicago, Ill.—Iver C. Zarbell has let the Chambers to Reade Street. contracts for a two-story bicycle factory, Forty-third Avenue, for Arnold Schwinn & Ottawa Cycle Co. Co., at a cost of \$20,000.

been in charge of the repair shop of George land, Md., who has already taken charge. N. Lemmon's bicycle and sundries business, has bought out Mr. Lemmon's interest at 47 Dean Street.

Flint, Mich.—Foss & Springer have purchased a half interest in the business of A.

Gardner, Mass. — Adams & Hartwell, closed for the Winter.

Ilion, N. Y.-William Neill has purchased the business of P. S. Stubblebein.

Kansas City, Mo.—The Richards & Conover Hardware Co., who are prominent also in the Western cycle jobbing trade, have increased their capital stock to \$500,000. formerly stood at half that sum.

Kokomo, Ind.—The Kokomo Rubber Co. has increased its capital to \$200,000.

Manchester, N. H.—The bicycle firm of Lintott & Buswell has dissolved partner-Barnesville, Ohio-Jones & O'Donnell, ship. H. C. Lintott purchased the entire interest in the store and will continue to carry on the business.

Middletown, O.—The Racycle factory has to the eastern approach to the lower bridge. a new superintendent. Benjamin F. Hare Buffalo, N. Y.-Ephraim Bros., proprie- is the man, and he is already hard at it gettors of the Buffalo Tire and Rubber Co., 59 ting out the 1902 model of the two wheeler East Genesee Street, and also of the store that "is a bicycle, except that it's different." Mr. Hare comes from Shelby, Ohio, where of the stock, fixtures and good will of Finn he was superintendent of the Shelby Cycle

New Haven, Conn.-The Veru Bicycle store is used exclusively for retailing of and Rubber Co. has reduced its capital stock bicycles, sundries and tires. The 59 East from \$15,000 to \$8,000, and a certificate to been burned out. Genesee Street store is exclusive for job- that effect has been filed at the office of the Secretary of State in Hartford.

New York, N. Y.—The address of the stock in trade and good will of H. C. Col- bers Street. The change of quarters is in Kelsey people a more central place of busi- new offices occupying all of the second floor of the building, which runs through from

Ottawa, Ill.—A. H. Moore has purchased

Englewood, N. J.-G. J. Scott, who has been purchased by J. H. Barlow, of Oak-

Reading, Pa.-John G. Nuebling, of the Globe Cycle Co., 843 Penn, is disposing of his stock of washing and sewing machines and wringers to make room for new lines of merchandise. The firm has decided to handle sporting goods entirely, and the place is filling up rapidly with them. The lines handled will be bicycles, guns, ammunition, cameras, fishing tackle, boxing gloves, foot balls, exercisers.

South Norwalk, Conn.—E. H. Fox, of the Fox Cycle Co., intends to retire from the company on the first of January, 1902. E. S. Bulkley, the other member of the firm, will purchase Mr. Fox's interest and conduct the latter the same as heretofore.

Swanton, Vt.—The Mayhew & Wild Co., bicycle dealers, have dissolved partnership.

Waterbury, Conn.—The Matthews & Willard Mfg. Co., Waterford, Conn., have retired from the manufacture of bicycle lamps, transferring that branch of their business to the Noera Mfg. Co., also of Waterbury, who, appreciating the reputation of the lamp, will retain the name and form and features which have made it so generally

Westhampton, N. Y.-William Wooster, of New York City, has purchased the bicycle business of L. G. Leary.

Recent Fires.

Baldwinville, N. Y.—Charles Miller has

Memphis, Tenn.-The wareroom of the American Wheel Co., at Memphis, Tenn., now of Terre Haute, Ind., was burned recently. The main building was saved by considerable effort. The loss was comparatively light.

Omaha, Neb.-H. E. Frederickson. sured.

Miscellaneous.

Pottstown, Pa.—The annual stockholders' 157x225 feet, to be built at 947-961 North from George Serviss the business of the meeting of the Light Cycle Co., held in the office of the works, elected the following Parkersburg, W. Va.—The business of board of directors to serve during the com-Dubuque, Iowa-Munsell & Miner have the Parkersburg Cycle Co., on Third Street, ing year: E. S. Fretz, Frank S. Brant, J. S. removed to a new location on Main Street. between Juliana and Court Square, has Wagner, H. B. Christman and M. A. Mory.

HARDWARE MANUFACTURERS RECORD. Continued.

Changes and Improvements.

Fulton, N. Y.-William Marvin, of Baldwill be associated with A. J. Tooley in the son Street, including engines, boilers, handmanagement of the plant.

and Machine Co., which has begun operating a shovel plant, has increased its capital stock from \$30,000 to 50,000, all of which land and all machinery thereon, etc. has been taken.

Co. will build a two-story brick factory, erect two new buildings, a factory 84 by 31 122 by 300 feet in size, to cost \$65,000.

Knoxville, Tenn.—The American Handle Handle Co., is the style of a transfer of dered the enlargement of their factory at hands thrown out of employment.

property recorded in the register's office; Fourteenth and Northrup Streets necesmachines, saws; in fact, everything con-Also the plant located at West Point, Clay County, Miss., consisting of two acres of

New Britain, Conn.—The Stanley Rule Kalamazoo, Mich.—The Kalamazoo Stove and Level Co. has taken out permits to feet and a pumping station 27 by 28 feet.

consideration, \$24,000. The property trans- sary. An addition in the shape of a brick winsville, has purchased the interest of Gil- ferred is the plant with all land, machinery, building 50x100 feet and two stories in bert L. Wells in the Fulton Knife Co. and tools, etc., on the southwest corner of Mun-height is now in course of erection, and will soon be completed. Machinery will be installed in the new building which will in-Johnstown, Pa.—The Cambria Foundry nected with the manufacture of handles. crease the output 50 per cent. and will double the output of binding twine.
Toledo, O.—The Toledo Plow Co.'s

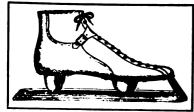
plant, which was ruined by fire on September 12, will again be in complete operation by November 1.

Winooski, Vt.-The new Porter Screen shops are now in running shape and nearly Portland, Ore.—The increase in the busi- ready for business. Last November the old Co. to the Turner, Day & Woolworth ness of the Portland Cordage Co. has ren- shops were destroyed by fire and about 250

FISHER TUBE SKATE

The Latest and Best for Racing and Hockey. . .

As great an improvement in skates as the pneumatic tire in bicycles.



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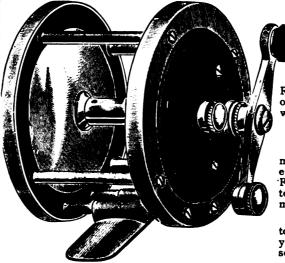
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40, 60, 80, 100, 150, 200, 250, 300, 350 Yards.

The foreman of this department has had 25 years experience in the manufacture of Fishing Reels, and we guarantee our goods the finest in the market.

Prompt Shipments. Be sure to get our prices before placing your orders for the coming sea-

THE ENTERPRISE MANUFACTURING CO.. Largest Manufacturers of Fishing Tackle in the United States, AKRON, OHIO.

SUPERIOR FENCE RATCHET.



184 Grand Biver Ave.

Two Important Points:
, Jaw shaped dog, locking either side up,
, Applied in body of fence
without cutting wires
ree sample and specia
prices on application. Superior Fenc: Machine Co.. Detroit, Mich

T is consecutive, continuous, persistent efforts that win in advertising as in all other affairs of business. The twelfth advertisement carries part of the weight of each of the preceding eleven, and the twentieth is worth ten times the first. The first is simply an introduction, and few people remember an introduction unless subsequent meetings serve to impress it upon them. Friendship ripens slowly. This is true in social life, in business and in advertising.-American Poultry Journal.

HAVE A DRINK! TORRENT PURIFYING

If you deal in pumps, why handle the same old-style slow kind that your competitor does? It would pay you to get something up-to date, which would please your customers and take the business. Write for new Catalogue.

THE TORRENT PUMP & FENCE CO., CLEVELAND, O., U. S. A.

The Repeating WARRIOR AIR

FAVORITE.

PUMP.

A NEW GUN.

METAL PARTS STEEL-INTERCHANGEABLE.

WALNUT STOCK, FINELY FINISHED. IT'S A PERFECT! GUNZAND AN EASY SELLER.

J. A. DUBUAR MFG. CO., Northville, Mich.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1854 Tools, Cutlery and Springs.

SCREWDRIVERS OF ALL KINDS

SEND FOR CATALOGUE.



Send for DESCRIPTIVE CIRCULAR and PRICE LIST.



ROBERT MURRAY.

24 Duane St., New York City.

General Hardware

Agent for Atlantic Screw Works Wood Screws of Every Description. Agent for Maynard's Socket Shovels.



Prison, House and Stable Work;

JOIST HANGERS; LAWN FURNITURE: FENCING, ETC.

VAN DORN IRON WORKS CO., CLEVELAND, OHIO.

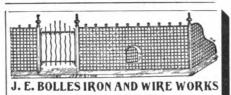


RIVETS M WIRE NAILS.

HAYES FILE CO. DETROIT, MICH

HARUFATURER Now in our new plant with greatly increased capacity. We manufacture every hing in Files.





DETROIT. MICH. Bank Railings, Elevator Enclosures and Cars,





TRIMONT MFG. CO., Roxbury, Mass., U.S.A.

ASPOTTS'SAD IRON HANDE J. A. COCHRANE, CLEVELAND, O.

Write us for prices on____

Roofing Cement, Roofing Paint, &c.

J. L. PERKINS & CO.,

239 Lake Street, CHICAGO.

A WHOLESALE HOUSE

Wishes to communicate with manufacturers of Tools for regular deliveries for Cash. Apply

> E. NEWBORGH & CO., 46 Southampton Buildings, London, W. C.

Hardwaremen's Exchange.

Notices of HELP WANTED or SITUATIONS WANTED will be inserted in this column free of charge. Should not exceed Four Lines.

ALL OTHER NOTICES, twenty-five cents per line.

Situations Wanted.

BOOKKEEPER AND SIGN WRITER—Man, 32 years of age, with nine years' practical experience in retail Hardware as clerk and buyer, At double entry bookkeeper and sign writer, wants like position First class reference. Address S., care HARDWARE, 275 Broadway, New York.

BOOKKEEPING AND GENERAL OFFICE WORK .- Young man, with a thorough knowledge of French and German, and English as well, thoroughly acquainted with foreign trade, bookkeeping and general office work, six years' experience in machinery and Hardware business in France and Germany, desires position.

Address M. E. S., care HARDWARE, 275 Broadway. New York.

BUILDERS' HARDWARE SALESMAN.—Hustling young man, thoroughly familiar with Builders' Hardware, and prices of samenow with large manufacturers in New York City, desires a change Address Hustler, care Hardware, 275 Broadway, New York. 268

BUYER, MANAGER OR SALESMAN.—A gentleman of 38 with a creditable business career of 20 years in Hardware, House Furnishing, Paints, etc., seeks position. Address S. F., care HARDWARE, 275 Broadway, New York.

ENGINEERING SALESMAN wants to make connection with AI house, and travel in New York City and State; has good circle of acquaintances and will work for reasonable terms while developing business; good references. Address E. L. I., care HARDWARE, 275 Broadway, New York.

EXPERIENCED BOOKKEEPER is open for engagement. Has knowledge of general office work; also Hardware and Gas business. Address Bookkerper, 55 Dupont Place. Johnstown, Pa.

Help Wanted.

ENTRY CLERK.—Good man for billing, who has had experience in this line and knows the pump and pipe business. Address THE GOULDS MFG. Co., Seneca Falls, N. Y. 254

PACTORY SALESMAN.—Experienced factory salesman acquainted with Hardware jobbing trade. Must be first class. State references when applying. Address THE ADMIRAL LAMP Co., Maysville, Ohio.

Situations Wanted.

A FIRST-CLASS ACCOUNTANT, book-keeper and cashier, understanding office work in every particular, desires to connect himself with some house, where integrity and strict attention to business would meet with fair compensation. Address P. P. P., care HARDWARE, 275 Broadway, New York.

BLACKSMITHING.—Young man, 19. would like to learn black-smithing. Address James White, 159 Chrystie Street, New York.

BOOKKEEPER.—Man (28) well educated, desires position in any State; neat and accurate; knows Hardware busicess thoroughly. Address Paul Fugler, 387 South Ave., Bridgeport, Conn.



Situations Wanted

EXPERIENCED ENGINEER and estimator in machinery, steam heating and general iron work, and having acquaintance with architects and builders of Greater New York, would like to take position with concern doing structural steel building work, doing outside work, soliciting, superintending, etc., to get more perfect knowledge of estimating, etc. Good references. Small salary only expected at start. Address D. Edwards, 441 W. 51st Street, New York.

EXPERIENCED HARDWARE CLERK.—Young man 27 years of age desires position with Hardware firm. Twelve years experience as clerk and salesman, both retail and wholesale. Salary moderate. Address H. T. B., care HARDWARE, 275 Broadway, New York.

FACTORY TRAVELER.—Experienced factory traveler, with wide acquaintance among all classes of buyers, desires position. Highest trade references; also former employers. Address H. C., care HARD-WARE, 275 Broadway, New York.

FOREMAN.—Experienced in stock, packing and shipping departments of manufacturing concern. Can give good references.

Address F. P. R., care HARDWARE, 275 Broadway, N. Y. 235

FOREMAN OR TIMEKEEPER.—Situation wanted by a man (32) as foreman or timekeeper. A hustler; can handle any kind of help; thoroughly posted on piece work system; 12 years' reference from last place. Address J. H. L., care HARDWARE, 275 Broadway, New York.

HARDWARE ASSISTANT—Young man, now as assistant buyer by well-known Hardware concern, desires position in same or similar capacity where there is room for advancement. Address S. R. S., care HARDWARE, 275 Broadway, New York.

HARDWARE CLERK OR SALESMAN.—Situation wanted in retail Hardware store. An all-around man; ten years' experience.

Address C. E. F., care HARDWARE, 275 Broadway, New York. 191

HARDWARE SALESMAN OR BUYER.—Young man desires position as salesman or buyer. Seven years' experience in importing and jobbing Hardware house First class reference furnished. Address Y, care HARDWARE, 275 Broadway, New York. 211

HARDWARE SALESMAN of 14 years' successful experience, as direct representative for leading manufacturer to jobbers throughout the country, will be open for engagement after January 1. Highest references. Address SALARY, care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN.—German, to visit the retail trade in city and nearby towns. Commission or salary and commission. Address George Burckner, 227 E. 87th Street, New York.

HARDWARE CLERK.—A man who has been in both wholesale and retail business wants position where he can make himself useful. Address J. W. R., care HARDWARE. 275 Broadway, New York. 243

HARDWARE CLERK.—Wanted by a young man with experience, position as clerk in Hardware store. Has also had three years' experience at plumbing. Willing to work at it part of the time. Address Robert Craig 77 E. Columbia St., Detroit, Mich. 246

LACQUERER—Thoroughly experienced in lacquering and the manufacturing of lacquers of all kinds. desires a position and can furnish the best of references. Address G. A. W., care HARDWARE, 275 Broadway, New York.

MACHINERY SALESMAN.—Experienced man wants to represent special or general machinery and supplies, to establish New York office, or travel and install. Address EDWARDS. care H. Mfg. Co., 121 Front Street, New York.

MANAGER OR SALESMAN.—Position as manager or salesman of Hardware store by man of 31 years, having had thorough experience. Address EXPERIENCE, care HARDWARE, 275 Broadway, New York.

OFFICE MANAGER AND CASHIER.—A position desired as office manager and cashier by a young man with twelve years' experience First-class references—security given. If desired. Address S. J. N., care HARDWARE, 275 Broadway, New York. 259

PAINT AND WALL PAPER SALESMAN.—Situation wanted by a young married man, perfectly familiar with the details of the paint and wall paper trade. Address or call. Charles P. Lundquiste, 83 Third Street, Brooklyn, N. Y. 208

PLUMBER, STEAM AND GAS FITTER.—Plumber, steam and gas fitter desires work in city or country; first class in all its branches, estimating, etc. Neat mechanic; sober, honest; references. Twenty years' experence. Address James E. Usher, 475 E. 115th Street, New York.

SHIPPING CLERK.—Young man desires position as shipping and receiving clerk. Four years' experience in shipping general Hardware and machinery. Can furnish A1 references. Address W. E. B., care HARDWARE, 275 Broadway, New York.

Situations Wanted.

STORE MANAGER.—Position as manager or assistant manager in a retail Hardware store by a young man 24. Has had seven years' experience in Hardware, is thoroughly familiar with jobbers' prices. Would prefer position in a good lively town in New York or Pennsylvania. At references. For further particulars address Manager, Box 106, Little Falls, N. J.

STORE OR TRAVELING SALESMAN.—Middle age, strictly temperate, experienced in retail Hardware, stoves and mill supplies. Competent to manage a business. Road experience in oils, mill supplies and other lines. Address H. K. F., care HARDWARE, 275 Broadway, New York.

Side Line Offered.

GOOD CHANCE for Hardware salesman to sell the "Argand" Lamp as a side line; liberal commissions. Address Argand Vapor Lamp Co., Detroit, Mich.

HARDWARE SALESMEN.—To handle as a side line our labor. saving device, advertised elsewhere in this issue of HARDWARE-Liberal commission to good men We furnish free to our agents a perfect working model, pocket size, which will lift 500 pounds. Address, DEPT. C. BURR MFG. Co., Cleveland, Ohio.

TRAVELING SALESMAN.—A young man, hustler, sober and reliable, would like to represent some manufacturer or well known jobber of cutlery in the States of North and South Carolina and Georgia. Salary no object. Very best of references. Address ROBERT, P. O. Box 262, Raleigh, N. C.

TRAVELING SALESMEN.—Large profits offered to traveling salesmen visiting factories to handle our improved patented Circular Saw Clamp as a side line. Address Fernsida Mfg. Co., 78 Pearl St., Hartford, Conn 264

For Sale.

A BARGAIN.—Nice. clean stock of Hardware, Housefurnishing goods, Stoves and Ranges, with Sheet Metal business and tools. Splendid location; heart of the city; best town in the State of Ohio. Will sell at invoice—fixtures as well—want to go into the manufacturing business. Will sell store stock separate from shep, if desired. Write at once, J. B. C., care of HARDWARE, 275 Broadway, New York.

HARDWARE STORE 15 miles from New York City. Rare chance, price low. Address H. H. G., P. O. Box 410. New York City. 261

Agency Offered.

LIVE HARDWAREMEN—We would like to hear immediately from a few live Hardwaremen who would like to be sole representatives in their towns, of a concern that is in the market for business, and have a line made for "men now on earth"—a modern line THAT CAN BE SOLD to your customers. Address "Box 88." care HARDWARE, 275 Broadway, New York.

Business Opportunity.

GERMANY.—Hamburg Commission House, visiting the wholesale Hardware merchants throughout the greatest part of Germany, wishes to correspond with manufacturers of suitable articles. Highest references. Apply to U 6452. care Heinr. Eisler, Hamburg.

Mail Order Specialties.

LIGHT HARDWARE SPECIALTIES WANTED for a mail order business. Address The Mills Co., Cleveland. Ohio. 247

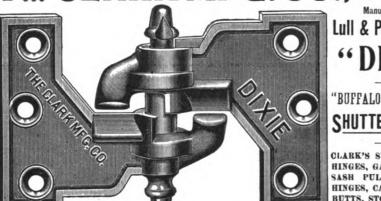


WRITE FOR QUOTATIONS



Mention "Hardware."

THE CLARK MFG. CO., Buffalo, N.Y.



Manufacturers of

Lull & Porter, O. S.

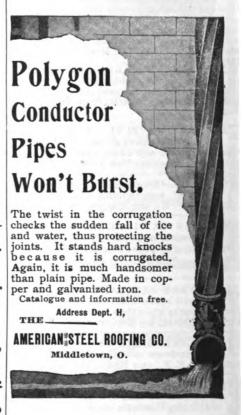
-AND-

"BUFFALO REVERSIBLE

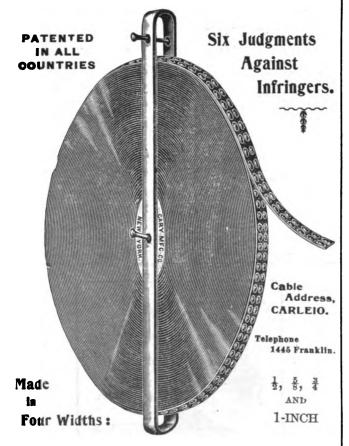
SHUTTER HINGES.

-AND-

CLARK'S SURFACE BLIND HINGES, GATE HINGES, SASH PULLEYS, SPRING HINGES, CAST DOOR BUTTS, STOVE PIPE DAMPERS, ETC.



CARY'S UNIVERSAL BOX STRAP.



CARY MANUFACTURING CO.,

19 and 21 Roosevelt St., New York.

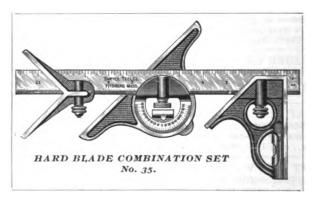
HARDWARE JOBBERS HANDLE OUR GOODS.

Our Combination Set No. $35~{\rm has}$ a hard blade. The New Style Protractor is neat in design and finish.

Made in 9, 12 and 18 inch sizes.

Every one guaranteed accurate.

WE HAVE A NICE LINE OF OTHER TOOLS.



Will our Catalogue interest you?

If so, send for Catalogue D 6.

SAWYER TOOL MFG. CO., FITCHBURG, MASS.

PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.
Subscribers are requested to notify us of any discrepancies, as we desire to

make this department of our paper worth The list prices, from which discounts

The list prices, from which discount the dealer upon request, by the manufact
Adzes— House Carpenters, Ogden's Ship Carpenters "
Ammunition—
CAFS, PERCUSSION— \$\mathbb{Q}\$ 1000— U. M. C. Co., trimmed edge
Rim Fire Cartridges
Berdan Primers
First quality, 4, 8, 10 and 13 gauge 25% First quality, 14, 16 and 20 gauge, \$7.50 90% New Club, New Rival and Climax brands, 10 and 13 gauge 25% Frimrose Club 15% Mitro 15% High Ball 15% Smokeless 3514&10% Brass Shot Shells, 1st quality 60% Brass Shot Shells, Club, Rival and Climax 65%
**SHELLA, LOADED— " New Ciub," Black Powder
GUN WADS—\$ 1000— B. E., 11 up
Tatham Bros., List June 11, 1900: \$\psi\$ bag Dr.p Shot, sizes smaller than B, 25-th bags
Chilled Shot, 5-th bags
In cases of 25 each. Crystal Grain, Nos. 1, 2, 8 and 4, in canisters of 1 b
Ragle Duck Shooting Nos 1 9
and 3, in kegs, 25 h

s of any discrepancies, as we desire to y of their constant attention. s are given, will always be furnished
are given, will always be larnished
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in kegs,
12/4 b 2.25 Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in kegs,
"Sea Shooting" Fg, in kegs, 614 lb
614 B 1.25 "V. G. P." for Trap Shooting, in kegs, 25 B 4.00 "V. G. P." for Trap Shooting
in kegs, 1214 b 2.25 "V. G. P." for Trap Shooting,
"V. G. P." for Trap Shooting in kegs, 12½ b
Choke Bore, Nos. 5 and 7, in kegs, 1214 b 2.75
Choke Bore, Nos. 5 and 7, in kegs, 614 lb 1.50 Mealed Powder, in kegs, 25 lb 4.00
Shipping Powder, F, FF, FFF,
Mining and Blasting Powder, (A), C, F, FF, FFF, in kegs, 25 b
in kegs, 25 b
in kegs, 25 b
The Lane concretes concretent
Powder:
Black Powder
Quarter kegs, equal in bulk to 614 b Black Powder 5.75
Canisters, equal in bulk to 1 ib Black Powder 1.00 Du Pont Smokeless Rifle
Powder No. 1, equal in bulk to 1 ib Black Powder 1.00
Du Pont Smokelees Rifle Powder No. 3, equal in bulk
Regs, equal in bulk to 25 bs Black Powder
per ib
PETERS PRIMERS— All Primers\$1.10-1.1214
CARTRIDGES — Peters Blank Cartridges:
.82 (7. F., \$5.50
.22 cal. Rim, \$1.50
R R Cans Round Rall 1.19-1.18
Central Fire. 25% Pistol and Rifle. 15&5% Primed Shells and Bullets. 15&5%
Rim Fire Sporting
PETERS SHELLS—EMPTY— Peters Ideal, 10 and 12 gauge. 381/6210% Whom Victor 10 12 and 18 gauge 154
" New Victor, 10, 12 and 16 gauge 15% " Quick Shot, 10, 12 and 16 gauge 25&5% " League, 10, 12 and 16 gauge 25&5%
PETERS SHELLS-LOADED (BLACK POWDER)
Peters League, 10 and 12 gauge.44 & 55 "Quick Shot, 10,12 and 16 gauge40 & 55 Loaded with (Semi-Smokeless
Loaded with (Semi-Smokeless Powder).
Loaded with (Smokeless Powder). Peters New Victor, 10,12 and 16
Prowder: Peters Referee, 10, 12and 16 gauge 40 & 5 x Loaded with (Smokeless Powder). Peters New Victor, 10, 12 and 16 gauge
GUN WADS-
Peters B. R., 9 to 10
9&10
10 10 20 80c Victor, 8 80c 9&10 .70c 11 to 20 .60c P. R., 3\(\) in 8 \$1.50 9&10 1.95 11 to 20 1.00 White Elastic, \(\) in, 125 in a box. 8 \$4.00
" White Elastic, % in., 125 in a box. 8\$4.00
8 \$4.00 9&10 \$0.00 11 to 20 2.75 "Damp r roof, per 1,000:
8
11 to 20
9&1022c

re intended for the Hardware sally purchased by retail dealers.	" Nitro card: 828c
tions at which purchases can be	9&10
ckages, frequently make higher	POWDER— King's Smokeless (Shot-gun),
my discrepancies, as we desire to heir constant attention.	Kegs (25fbs bulk)
given, will always be furnished uoted.	Canister (11b bulk) 1.00
	King's Smokeless (Rifle), Half Kegs (12)4hs bulk)
Pont Rifle, FFFg, FFg and Sea Shooting "Fg, in kegs,	Canister (1% bulk)
Pont Rifle, FFFg, FFg, and Sea Shooting "Fg, in kegs,	Half Keg, 1816bs bulk
Sea Shooting " rg, in kegs, 4 lb	Canister (Ib bulk). 1 00 King's Semi-Smokeless, Keg. 25hs bulk. 10.00 Half Keg. 191/fbs bulk. 2.75 1 h Can, bulk. 50 King's Quick Shot (Black), Kegs. 25 hs 4.00 Half K gs. 121/fbs. 2.25 Quarter Kegs. 61/fbs. 1.25 Quarter Kegs. 61/fbs. 1.25
kegs, 25 b 4.00	Kegs, 25 hs 4.00 Half K gs, 1216hs 2.25
kegs, 1214 b. 2.25 G. P." for Trap Shooting,	1 th Can (24 in case)
kegs, 6½ 1b	Discounts on application. Animal Pokes—
ke Rote Nos K and 7 in	Iowa Farming Tool Co.: \$\ dos. Hawkeye \$8.25
kegs, 614 b 1.50	Western 8.75 Anti-Rattlers—
oled Powder, in kegs, 25 ib 4.00 pping Powder, F. FF, FFF, FFF, FFF and FFFFFF in kegs.	Fernald, Wire
ib 2.25 ling and Blasting Powder,	Gem
A), C, F, FF, FFF, FFFF, kegs, 25 b 2.25	Kohler's: 9 gro. Invisible, No. 8
ing and Blasting Powder, 1), C, F, FF, FFF, 1, kegs, 25 b	Perfect, No. 2
Dio ios discount:	Anvils— American "Horse-Shoe"9%c
Pont Smokeless Shotgun	Armitage's Mouse Hole
ego, equal in bulk to 25 b Black Powder	American "Horse-Shoe" 944c Armitage's Mouse Hole 944c Cincinnati 35&10x Eagle Anvils, 9 b 9c 15@15&5x Hay Budden, Wrought 844c Peter Wright's 94@104c Samson 40&10x Trenton 9c
uarter kegs, equal in bulk to	Samson
614 b Black Powder 5.78 anisters, equal in bulk to 1 b Black Powder 1.00 a Pont Smokeless Rifle	ZNVID ZND VIGE COZDINED
Powder No. 1, equal in bulk	Chency Anvil and Vise
to 1 m Black Powder 1.04 u Pont Smokeless Rifle	Augers and Bits— Boring Machine
Powder No. 2, equal in bulk to 1 to Black Powder 1.00	Boring Machine
n Pont U. S. 30 Calibre Smokeless Rifle Powder, per 15	C. E. Jennings & Co.: Double Spur pattern car, No. 8050% Nobles Double Spur, No. 8350&10%
Discounts on application. PETERS PRIMERS—	No. 10 Extension Lip
rimers\$1.10-1.1234	Car Bits, No. 10
CARTRIDGES — Blank Cartridges:	Ring Augers
C. F., \$5.50	SWAN'S:
cal. Rim, \$2.75	Jenning's Pattern Car
Caps, Round Ball 1.12–1.18 al Fire	Russell Jennings' Augers and Bits.
and Rine	
Fire Military15&5%	BOLLOW AUGERS—
PETERS SHELLS—EMPTY— s Ideal, 10 and 12 gauge 881/&10%	Hibbard's Adjustable Net prices
w Victor, 10, 12 and 16 gauge 15% ick Shot, 10, 12 and 16 gauge 25&5% igue, 10, 12 and 16 gauge 25&5%	Ives
PETERS SHELLS—LOADED (BLACK POWDER)	Swan's
ers League, 10 and 12 gauge.40&5% nick Shot, 10, 12 and 16 gauge40&5%	C. E. Jennings & Co
ded with (Semi-Smokeless Powder).	Clark's small, \$18
ers Referee, 10, 12 and 16 gang (40 & 5% ded with (Smokeless Powder). ers New Victor, 10, 12 and 16	Swan's
ers New Victor, 10,12 and 16 gauge	Common
GUN WADS-	Swan's
8 B. E., 9 to 10	Ladds
stor, 8	Snell's Bell Hangers
E., % in. 8	Cincinnati Tool Co., for wood, 40&10% for metal, 60%
iite Elastic, % in., 140 in a dox.	Cleveland Wood Bits for Brace. 50&10% Detroit
8	K. & F
11 to 20 2.75 mp r roof, per 1,000: 8 \$1.50	Syracuse, for wood
8\$1.50 9&10	Cleveland
826c 9&1022c	Morse Straight Shank
11 to 2018c	Standard 60&10%

Standard Oil Tube Drills
8HIF AUGERS AND BITS— L'Hommedieu's
Awl and Auger Handles— See Handles Awls—
Handled Brad
Awl and Tool Sets— Aiken's Awls and Tools: No. 10, \$\psi\$ doz. \$7.50; No. 20, \$\psi\$ dos. \$10
\$10
Brad Sets: No. 42, \$10.50; No. 45, \$12.50
15@15&10s C. E. Jennings & Co.'s Adjustable Tool Handles
Axes— First quality, best brands\$5.50@7.00 First quality, other brands\$.00@6.50 Beveled, add 25c. \$\tilde{0}\$ doz.
HATCHETS— Hunt's, Underhill's or Blood's, 40&10s
Peck's:
Champion Diage
Lath, Hunters', etc
M. C. Ogden's: Broad 40&10g Broad 40&20g Bhingling, Claw, etc. 40&10g Handled Axes. 40g Boys 50g Axle Grease—
Dixons' "Everlasting ": 1-b box. .15 2-b box. .25 10-b pail \$1.30 25-b keg. 2.76 50-b keg. 5.60
00.ID WCK
Balances— Chatillon's: Light, Class A
Balances— Chatillon's: Light, Class A



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Cleveland Rubber Co.: Price Each	Bone Mills.	WHOUGHT STEEL-	Cherry Stoners
Buckeye	Enterprise	List April 1, 1895. Bronzed Inside Blind Butts50@50&10s	Enterprise
War. 2 XL	Stearns	Bronzed, Narrow50@50&10%	
Extra	Borers, Bung.	Fast Joint, Narrow	Chisel and File Handles See Handles.
N. J. Car Spring & Rabber Co.: Extra Para40&10s	Enterprise	Fast Joint, Broad	•
Reliable50&10%	Nos	Loose Pin	Chisels— socket framing and Firmer—
Staple	C. K. Jennings & Co.:	Table Butts, Back Flaps, etc	Buck Bros
	No. 6 40% No. 10 25%	Calipers—	Charles Buck 30%
Belting, Stitched Cotton—	Borers, Tap-	Bemis & Cail:	Douglass
phinx Brand	Common Ring	Wing	Ohio Tool Co
•	Enterprise	Inside and Outside65&10%	8wan
Belts-	Ives25&10%	Straight Leg	Witherby
ENDLESS THRESHER-	Boring Machines—		Jennings & Griffin Mfg. Co70%
Four Ply, 6-in. net	WITHOUT AUGERS-	Can Openers—	TANGED AND MISCELLANGOUS-
four Ply, 8 in. net	Upright. Angular. Douglass'\$2.75 \$3.88	American	Box
Beuch Stops-	Jennings' 3.00 8.75	Hopper's	Buck Bros
incinnati	Millers Falls 7.50 15% Snell's, Rice's Pat. 2.75 8.00	No. 5, Iron Haudle. @ gross, \$2.00@2.25 Sardine Scissors	Butchers'\$4.75@\$5.00 to £ C. E. Jennings & Co
orrili's No. 1, \$10.00 per doz.; No.	Bow Pins-	Sardine Scissors, Forged Steel \$4.50	Chisels and Gouges 401
2, \$11.00	Hotchkiss60&10%	Sprague, No. 1, \$2.00; No. 2, \$2.26;	Chisels and Gouges 40st Spear & Jackson's \$5.00 to £ Tanged Firmers' 40@40&10st
errell's Nos. 1 and 2, \$8.00; No. 8, \$3.00 % doz	_	Sprague, No. 1, \$2.00; No. 2, \$2.25; No. 3, \$2.50	
iller's Falls	Boxes, Mall.		COLD CHIERLS—
eston's40%	Heller's	Cards-	Good quality, \$15
Binder Twine-	Box Strapping—	Cotton	Ohucks—
hite Sisal, 500 ft. to lb 8c	Cary's "Universal," in case lots,	Wool	Beach Patent, each, \$8.00
andard, 500 ft. to 15 8c	20&10@20&10&10\$ Braces—	Carpet Stretchers-	Cushman's:
anile, 600 ft. to ib	Barbers'50&10@60&10%	Montross' "Excelsior,"# doz.,	Combination4 % Independent
	Barbers' Ratchet	\$6.00	Morse's Adjustable, each, 27.00251
Bit Holders—	Ives':	Bullard's	Syracuse, Balz Patent 369 Union Mfg. Co.:
ngular45%	Barbers' Ratchet 60@60&10%	Socket @ doz., \$1.75@\$8.0	Combination401
Barber's, \$ doz. \$15.00 45@50%	New Haven Novelty 70s	Carriage Bolts-	Independent
Ives' % doz. \$20.0060&10%	New Haven Ratchet 602:104	See Bolts.	Victor, No. 1, \$8.50; No. 2, \$12.50.256
Bit Stock Drills—	Spofford. 60&5% C. B. Jennings & Co.: No. 108@11414	Carriage Makers' Clamps—	Clamps
e Augers and Bits.	No. 108@11414	See Clamps.	Adjustable, Cincinnati
Blind Adjusters—	No. 208 6@21414		Adjustable, stearns' 309
omestic# dos. \$8.00881/45	Peck's (P. S. & W. Co.)50&10@60% Gen. Spofford's,50&10@60%	Cartridges—	Adjustable, Stearns'. 307 Mallcable, Stearns'. 75s Cabinet Makers or Quilt Frame, Sargent's . 507 Carpenter's, Cincinnati. 25&10
xcelsior . 🗣 dos. \$10.00 50&10&2%	Brackets-	See Ammunition.	Cabinet Makers or Quilt Frame.
orth's	Door Screen	Casters-	Carpenter's, Cincinnati25&10
	Shelf, Bradley's Patent	Bed70s	Carriage Makers', Sargent's 50@50&10; Carriage Makers' Stearns', 50@50&10; Carriage Makers', P. S. & W. Co. 40&10
Blind Fastenings and Tenons— ustin & Eddy ¥ gro, sets\$5.50	Shelf, Plain, Regular list	Bracket Bed	Carriage Makers', P. S. & W. Co. 40&10
orban's Improved Star Tenon	250 A.z.	Brass Wheel 60&10%	imith's: Ecceutric
♥ gro. \$1.00	Window Screen Corner60&10% Reading, Plain60%	Martin's Patent (Phœnix)40&10% Plate	Splicing Tools 201
lerriman's Brass Lever 💜 gr\$15 00	Reading, Rosette60%	Payson's Furniture	Warner's
erriman's Iron Lever \$ gr 9.00 fillers Falls \$ set \$1.0015&10g	Bracket Saw Frames-	Payson's Truck	Cleaners, Sidewalk— F dos
ecurity Gravity 9 gr	Millers Falls Co	Tucker's Patent, low list	Challenge Shank\$8.20
7achburne's Plate ♥ gr	Bracket Sets-	Cattle Leaders—	Star Shank 4.00
	Millers Falls Co	Humason, Beckley & Co.'s70&10%	Star Socket 4.25
Blind Hinges—		Peck, Stow & W. Co 166%	Clippers—
se Hinges.	Box Hooks, Openers and Scrapers—	Sargent s	HORSE— Chicago Flexible Shaft Co.'s:
Blocks-	Humason & Beckley's60&60&10%		Chicago Belt Clipping Machine,
hisholm & Moore Crane Load Blocks 15% leveland Block Co. Steel60& 10@70%	Bright Wire Goods-	Chain— American Halter Chain50@50&10%	Rach \$15.00 net New '98, Chicago Each 8.75 net
dd y'e #1.0€10 <i>€</i> 20#	Standard. New list80x	American Proof Coil, Cask lots.	
on Strapped, Japanned Sheaves 704	Bull Rings-	F. O. B. Pittaburgh. Inch. Per ib.	TOILET
ariz Steel. 50@60&10% on Strapped, Japanned Sheaves. 70% one Strapped, Lig Vitae Sheaves. 60% ope Strapped, Japan'd Sheaves. 60&10%		Inch. Per tb. 8-16	Chicago Flexible Shaft Co.'s: \$\psi\$ doz. Mascot \$8.40 net
ope Strapped, Japan'd Sheaves.50&70% V. Sheaves	Humason, Beckley & Co.'s	5.80 5-16 4.85	Monitor 9-90 net Stewart Pat 10.00 net
ADCS:	Sargent's	% 4.00 7-16 8.83	
Junior, Self Sustaining	Bull Punches	7-16 8-85	Clips—
Perfect Safety	Humason & Beckley's	Q IR	Norway Axle
owell, Novelty Block 50&10# egular Iron Strapped Blocks	Bush Hooks-	% 8 55 % 8,50	Superior Axle Clips
60&10&10@70%	See Hooks.	¼ 8.50	Coffee Mills—
Bolts—	Butchers' Cleavers—	1 8.50 An advance of 25c. ¥ 100 to is added on	Box and Side
DOOR AND SHUTTER— ast Iron Barrel, Square, &c50&10%	Bradley's	orders of less than cask lots.	Enterprise Mfg. Co23@8i Logan & Strobridge Conet prices
ast Iron Chain	Beatty's 40s	Bridgeport Chain Co.: Brown, Coil	National Specialty Mfg. Co80 The Swift, Lane Bros. Co80
ast Iron Shutter Bolts45&10≰	Foster Bros. Flat i ds	Brown, Halter	Waddel's New Box Mills 10
res' Patent Door Bolts60% rought Barrel70&10@75%	Lancaster Mach. & Knife Wks. 3814@404	Competition Sash50&10%	Ideal Brand, New List60@60&10
rought Square	& I. J. White25%	Triumph Coli 554	Coil Chain—
rought Shutter Standard Het	New Haven Edge Tool Co 's	111umpii, Con	Gee Ohele
rought Shutter, Standard list 40&10&10@50&10#	New Haven Edge Tool Co.'s 40% P. S. & W	Triumph, Halter	See Chain.
rought Shutter, Standard list 40&10&10@50&10≴ 'r't Sunk Flush, Sargent's list.	New Haven Edge Tool Co.'s 40%	Triumph, Halter	Compasses, Dividers, &c.—
/rought Shutter, Standard list 40&10&10(350&10) /r't Sunk Flush, Sargent's list. /r't Sunk Flush, Stanley's list.	New Haven Edge Tool Co.'s 40% P. S. & W	Triumph, Coil	Compasses, Dividers, &c.— Athol Calipers and Dividers40
rought Shutter, Standard list. 40&10&10&50&105 7't Sunk Flush, Sargent's list. 50@50&105 7't Sunk Flush, Stanley's list. 45@45&105	New Haven Edge Tool Co.'s 40% P. S. & W	Triumph, Halter	Compasses, Dividers, &c.— Athol Calipers and Dividers
rought Shutter, Standard list.	New Haven Edge Tool Co.'s	Triumph, Halter. 55% Covert Mfg. Co., Breast Chain. 65% Covert Mfg. Co., Halter Chain. 65% Covert Mfg. Co., Heel Chain. 65% Covert Mfg. Co., Rein Chain. 65% Covert Mfg. Co., Stallion Chain. 640% Gayman Coll Heel This 94, 207	Compasses, Dividers, &c.— Athol Calipers and Dividers
/rought Shutter, Standard list. 40&10&10@50&10% 7r't Sunk Flush, Sargent's list. 50@60&10% 7r't Sunk Flush, Stanley's list. 45@45&10% 7r't B. K. Flush, Com'n, Stanley's list	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain Galvanized Pump Chain	Compasses, Dividers, &c.— Athol Calipers and Dividers
/rought Shutter, Standard list. 40&10&10&10&50&10 /r't Sunk Flush, Sargent's list. 50@50&10 /r't Sunk Flush, Stanley's list. 45@45&10 /r't B. K. Flush, Com'n, Stanley's list	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain Galvanized Pump Chain	Compasses, Dividers, &c.— Athol Calipers and Dividers
/rought Shutter, Standard list. 40&10&10@50&10% /r't Sunk Flush, Sargent's list. 50@50&10% /r't Sunk Flush, Stanley's list. 45@45&10% /r't B. K. Flush, Com'n, Stanley's list	New Haven Edge Tool Co.'s 40% P. S. & W 833/6.55 Butcher Knives— See Knives. Butchers' Saw Blades— Millers Falls Co. Star 15@15&10% C. E. Jennings & Co 25&10% Butter and Cheese Triers— Ordinary Black Handle 25%	Covert Mfg. Co., Stallion Chain Galvanized Pump Chain	Compasses, Dividera, &c.— Athol Calipers and Dividers
/rought Shutter, Standard list. /r't Sunk Flush, Sargent's list. 50@50&10g /r't Sunk Flush, Stanley's list. 45@45&2.0g /r't B. K. Flush, Com'n, Stanley's list. 50@410g/0g /rought Spring, Sargent's. CARRIAGE, MACHINE, &C.— olt Ends. 70@70&7/45g achine. 70@70&76 65&55 65&56 65&65	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain. Galvanized Pump Chain. 44.65c German Coll, lief July 34, '97. 00&10's German Halter Chain, liet July 34, '97 50&10's Jack Chain, Iron. 60@60&10's Jack Chain, Brase. 60&60&10's Oneida:	Compasses, Dividera, &c.— Athol Calipers and Dividers
Standard list. Ad& 10& 10& 50& 10%	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain. Galvanized Pump Chain. Galvanized Pump Chain. German Coil, lief July 24, '97. 00&10's German Halter Chain, liet July 24, '97 00&10's Jack Chain, Iron	Compasses, Dividers, &c.— Athol Calipers and Dividers
Trought Shutter, Standard list. 40&10&10&10&50&10%	New Haven Edge Tool Co.'s 40% P. S. & W	Covert Mfg. Co., Stallion Chain Galvanized Pump Chain Galvanized Pump Chain German Cotl, list July 24, '97 00&10's German Halter Chain, list July 24, '97 Stack Chain, Iron	Compasses, Dividera, &c.— Athol Calipers and Dividers
/rought Shutter, Standard list. 40&10&10@50&10% /r't Sunk Flush, Sargent's list. 50@60&10% /r't Sunk Flush, Stanley's list. 45@45&10% /r't Sunk Flush, Com'n, Stanley's list	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain Galvanized Pump Chain Galvanized Pump Chain Galvanized Pump Chain 14,465c German Cotl, list July 24, '97 90&105 German Halter Chain, list July 24, '97 80&105 Jack Chain, Iron 60&80&105 Jack Chain, Brass 60&80&105 Oneida: Niagara 605 Eureka 605 Trace, Wagon and Fancy Chains, New List 50&10@50&10&55	Compasses, Dividers, &c.— Athol Calipers and Dividers
Trought Shutter, Standard list. Add 10.4:10.6:50.8:10.6 Tr't Sunk Flush, Sargent's list. 50.8:50.8:10.6 Tr't Sunk Flush, Stanley's list. 45.6:45.8:10.6 Tr't B. K. Flush, Com'n, Stanley's list. 50.8:10.6:0.6 Trought Spring, Sargent's 50.8:10.6:0.6 CARBIAGE, MACHINE, &c.— Oit Binds. 70.6:70.8:71.6.6 Sargent's 70.6:70.8:71.6 Sargent's 70.6:70.8 Sargent'	New Haven Edge Tool Co.'s 40% P. S. & W 833/6.55% Butcher Knives— See Knives. Butchers' Saw Blades— Millers Falls Co. Star 15@15&10% C. E. Jennings & Co 25&10% Butter and Cheese Triers— Ordinary Black Handle 25% Humaeon & Beckley's 25&10% Butt and Babbet Gauges— Stanley's 25&10% Butts— BRASS—	Covert Mfg. Co., Stallion Chain Galvanized Pump Chain Galvanized Pump Chain German Cotl, list July 24, '97 00&10's German Halter Chain, list July 24, '97 00&10's Jack Chain, Iron	Compasses, Dividera, &c.— Athol Calipers and Dividers
Action Standard	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain. Galvanized Pump Chain. Galvanized Pump Chain. Galvanized Pump Chain. 44.465c German Coll, lief July 24, '97. 00&10's Gown Coll. Jack Chain, Iron. 50&60&10's Jack Chain, Brass. 60.600&10's Jack Chain, Brass. 60.600&10's Jack Chain, Brass. 60.600&10's Trace, Wagon and Fancy Chains. New List. 50&10@50&10\&55 COW TIES— American. 50@50&10's	Compasses, Dividera, &c.— Athol Calipers and Dividers
Action Standard	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain Galvanized Pump Chain Galvanized Pump Chain Galvanized Pump Chain 90&10% German Cotl, list July 94, '97 90&10% German Halter Chain, list July 94, '97 Jack Chain, Iron 60&60&10% Jack Chain, Brass 60% Oneida: Niagara 60% Eureka 60% Trace, Wagon and Fancy Chains. New List 50&10@50&10&5% COW TIES— American 50@50&10% Niagara 45@50% Covert Mfg. Co.:	Compasses, Dividera, &c.— Athol Calipers and Dividers
Action Standard	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain. Galvanized Pump Chain. Galvanized Pump Chain. 44.65c German Coll, list July 24, '97. 00&10's German Halter Chain, list July 29, '97 Jack Chain, Iron. 60@60&10's Jack Chain, Brase. 60&60&10's Oneida: Niagara. 60's Eureka. 60's Trace, Wagon and Fancy Chains, New List. 50&10@50&10&5's COW TIES— American	Compasses, Dividers, &c.— Athol Calipers and Dividers
Action Standard	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain. Galvanized Pump Chain. 44.65c German Coll, lief July 24, '97. 00&10's German Halter Chain, liet July 24, '97	Compasses, Dividers, &c.— Athol Calipers and Dividers
Vought Shutter, Standard list. 40&10&10&50&10%	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain Galvanized Pump Chain Galvanized Pump Chain Galvanized Pump Chain 90&10% German Cotl, list July 24, '97 90&10% Jack Chain, Iron 60@80&10% Jack Chain, Brass 60% Oneida: Niagara 60% Bureka 60% Trace, Wagon and Fancy Chains, New List 60% COW TIES— American American 50@50&10% Covert Mfg. Co.: Cotton 45% Hemp 45%	Compasses, Dividers, &c.— Athol Calipers and Dividers
Action Standard	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain. Galvanized Pump Chain. 44.65c German Coll, lief July 24, '97. 00&10's German Halter Chain, liet July 24, '97	Compasses, Dividers, &c.— Athol Calipers and Dividers
Vrought Shutter, Standard list. 40£ 10£ 10£ 30£ 10 Vr't Sunk Flush, Sargent's list. 50@50£ 10 Vr't Sunk Flush, Stanley's list. 50@50£ 10 Vr't Sunk Flush, Stanley's list. 50£ 10£ 52£ 10 Vr't B. K. Flush, Com'n, Stanley's list. 50£ 10£ 60 Vrought Spring, Sargent's. 50£ 10£ 60 CARRIAGE, MACHINE, &C.— olt Ends. 70@70£ 75 arriage, Common. 50£ 55 corwsy Iron, list Oct. '84 50 **Alla, Eagle, list June 1, '99 **More arriage, Common. 50£ 55 **TIRE— American Screw Co.: Bay State, Plinin, list Dec. 28, '99. 7714 **Eagle Phila, list Feb. 26, '96 **Sorway, Phila, list Feb. 26, '96 **Sorway, Phila, list Feb. 26, '96 **Sorway, Phila \$24.5 **Corway, Phila \$24.5 **Sorway, Phila \$24.5 **Sorve And Flow— **Town Sorve So	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain. Galvanized Pump Chain. Galvanized Pump Chain. Galvanized Pump Chain. 44.465c German Coll, liet July 24, '97. 00&10's German Halter Chain, liet July 24, '97. 60&10's Jack Chain, Iron. 50&60&10's Jack Chain, Brass. 60's Jack Chain, Brass. 60's Niagara. 60's Trace, Wagon and Fancy Chains. New Liet. 50&10@50&10&55 COW TIES American. 50@50&10's Niagara. 45@50's Covert Mfg. Co.: Cotton. 45% Hemp 45% Jule 85% Sisal 20%	Compasses, Dividera, &c.— Athol Calipers and Dividers
Vrought Shutter, Standard list. 40£ 10£ 10£ 30£ 10 Vr't Sunk Flush, Sargent's list. 50@50£ 10 Vr't Sunk Flush, Stanley's list. 50@50£ 10 Vr't Sunk Flush, Stanley's list. 50£ 10£ 52£ 10 Vr't B. K. Flush, Com'n, Stanley's list. 50£ 10£ 60 Vrought Spring, Sargent's. 50£ 10£ 60 CARRIAGE, MACHINE, &C.— olt Ends. 70@70£ 75 fachine. 70@70£ 75 arriage, Common. 50£ 65 corway Iron, list Oct. '84 Meller Shoe. 50 TIRE— American Screw Co.: Bay State, Pinta, list Dec. 28, '99. 77 15 Ray State, Finted . 77 15 Ray State, Finted . 77 15 Toway, Phila. 11st Peb. 26, '96. 82 50 orway, Phila. 82 15 Orway, Phila. 82 15 Orway, Phila. 82 15 Orwey, Phila. 82 15 Orwey, Phila. 82 15 Orthester. Norway. 10w. 60£ 10 10w.	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain. Galvanized Pump Chain. Galvanized Pump Chain. German Coll, list July 24, '97. 00&10's German Halter Chain, list July 24, '97 00&10's Jack Chain, Iron. 60@80&10's Jack Chain, Brass. 60's Eureka. 60's Eureka. 60's Trace, Wagon and Fancy Chains, New List. 50&10@50&10*55's COW TIES— American. 50@50&10's Niagara 45@50's Covert Mfg. Co.: Cotton. 45's Hemp. 45's Jute. 85's Sisal. 20's Chain Guards— Alsminum S. & N. Co. 50 Chain Hoists—	Compasses, Dividers, &c.— Athol Calipers and Dividers. 409 Bemis & Call Co. 'a: Compasses
Wrought Shutter, Standard list. 40&10&10@50&10% Wr't Sunk Flush, Sargent's list. 50@60&10% Wr't Sunk Flush, Stanley's list. 45@45&10% Wr't B. K. Flush, Com'n, Stanley's list. 50&10@60% Wrought Spring, Sargent's. 50% 60&10% 60&10% 60% 60&1	New Haven Edge Tool Co.'s	Covert Mfg. Co., Stallion Chain. Galvanized Pump Chain. 44.65c German Coll, list July 24, '97. 00&10's German Halter Chain, list July 24, '97. 00&10's Jack Chain, Iron. 60@60&10's Jack Chain, Brass. 60.600&10's Oneida: Niagara. 60's Eureka. 60's Trace, Wagon and Fancy Chains. New List. 500&10@50&10\&56 COW TIES— American	Compasses, Dividers, &c.— Athol Calipers and Dividers. 408 Bemis & Call Co. 's:



Corn Hooks— ♥ doz Kretsinger Cut-Rasy\$8.00 net	Egg Beaters—	Forks-	Halter Chain— See Chain.
Corn Knives and Cutters—	Dover Stamping Co.: New Dover, \$\psi\$ doz. 75 cts., \$\pi\$ gro.\$7.50 Extra Family Size \$\pi\$ doz. 2.00	Steel Goods Association List, Aug. 1, 1899.	Hammers—
Bradley's net Wadsworth's net		Barn or Ice Forks	HANDLED HAMMERS
Counter-inks-	Spiral # gro. \$4.25@\$4.50 Standard (to.: ₩ gro. Dover, No. 5 \$5.50	Beet Forks 40&5% Coal Forks 40&5% Coke and Cotton Seed Forks 40&5%	Humason & Beckley
Mayhew's Diamond 40%	Dover, No. 10	Hay Forks, Four Tine, Standard	\$1.50&\$1.75
Smith's 25% Snell's 50% Wheeler's Fatent 50&10%	Dover, Extra Heavy, No. 1512.00 Rival 9.00	Size	Peck, Stow & Wilcox 40(a) 10 & 10 &
Crayons—	_	Manure Forks, Four Tine	Engineers and R.S. Hand 60&10st
	Emery— Genune Turkish Walpole Mills,	Grain or Barley Forks70&10&22/48 Heavy Mill, Manure or Street Forks.75%	Sargent's New List 45@45&10% Verree 50&10% Warner & Noble's New List 25%
Sargent's List 20g Dixons: # gro. Eclipse \$8.75	No. 6 to 46, \$\vec{9}\text{ b} \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Oyster Forks	WRITIEF & NODIE'S NEW LIST25% HEAVY HAMMERS AND SLEDGES-
Rmerald 5.00 Oriole 5.00	Flour, # 15 8c	Potato Scoop Forks50%	
Rainbow	Enameline— ¥ gro.	Shaving Forks	Under 3 tb ♥ tb 40c
Curry Combs—	No. 4	Socket Manure Forks, Four Tine703 Socket Spading Forks, rour Tine.	
Fitch's List net prices Kohler's	Escutcheons-	70&5&5&2\43 Spading Forks	Hammock Ropes— Covert Mfg. Co.:
New York Stamping Co. List, Sept	Wood25%	Stone Picking Forks	Jute
Perfect	Espansive Bits-	Hay Forks, Three Tine, Standard	Hand Cultivators—
Southington Cutlery Co.'s25&10%	· See Augers and Bits.	Size	Ulrich Mfg. Co.: Osborne's \$\pi doz., \$15.00
Cycle Hangers— Lane's	Farriers' Knives - # doz- "Challenge" \$8.00	Hay Forks, Two Tine, Standard Size	Handles—
Diggers—	Popes. 3.00 Wilkinson's \$3.00 net	Fruit, Wine and Jelly Presses.	IRON, WROUGHT OR CAST-
See Post Hole, etc.	Wostenholm's \$8 25 10g	Enterprise	Chest Handles, Sargent's50&10\$ Chest Handles, Stearns' No. 1, Door
Dividers — See Compasses, Dividers, etc.	Faucets-	Fry Pans -	or Thumb
Dog Collars—	Brass Globe Cocks 65@65&5% Brass Racking 65@65&5% Compression Bibbs 65@65&10%	Acme Fry Pans	7 doz\$.90 \$1.00 \$1.08 \$1.85 \$1.50 50&10%
Chapman Mfg. Co.'s New List: Chain (full assortment) 40%	Compression Bibbs with flange	Burnished, regular goods	50&10% Drawer Handles
Leather (full assortment)40&10% Pope & Stevens:	Lever Handle Bibbs, Gr. Ky.	No 0 1 8 8 4 a doz. \$8.00 \$8.75 \$4.25 \$4.75 \$5.25	Roggin's Latches85@85&10% Shelf Box Haudles66%
Brass	Rgh	# doz. \$8.00 \$8.75 \$4.25 \$4.75 \$5.25 No	Trunk Handles
Leather	Red Cedar. 40@40&10% Red Cedar, bbl. lots. 50%	Fuse— \$ 1000 ft.	STORE DOOR HANDLES-
50@50&10 \$ Door Bults—	Frary's Iron Petroleum 6*@55&5% John Sommer's "Peerless," Tin Key 40% John Sommer's "Boes," Tin Key	Hemp Fuse \$2.60	Bronzed 50% 50% 50% 50% 50% 50% 50% 50% 50% 50%
See Bolts, Door.	John Sommer's "Bose," Tin Key50%	Cotton Fuse 2.90 Single Taped Fuse 8.25	Japanned, with Nuts45&10% Japanned, with Plate45&10%
Door Checks— Bardsley's	Key	Double Taped Fuse 4.20 Triple Taped Fuse 5.00	Japanned, without Plate45&10%
Columbia	Key	Gate Hinges-	Bar0@60&10\$
Eclips 50&10% Home	Key	See Hinges.	Barn Door
●gden's 8814@40%	Key	Gauges— Bemis & Call's Steel 50%	Drawer Pulls
Deor Holders—	John Sommer's "Crescent," Metal	Boss, Screw Pitch	Sash Pull Plates70&10%
Empire 50%	Key	Marking, Mortise, etc 55&10@55& 10&10%	Sash Pulls
Door Springs— Champion (Coil)	John Sommer's "Union," Lock 50%	Stanley's	WOOD—
Kubber, complete, ₩ doz. \$5.50.45@50%	Lined	NCPRICE	Auger, large 9 gr. \$2.2002.30 Auger, large 9 gr. 8.0068.25
Torrev's Rod. 39 in., 2 gro	John Sommer's "Reliable," Cork Lined	Copeland Champion Bit. W doz.	Auger, large \$\pi\$ gr. \$\pi\$2.25@2.50 Auger, large \$\pi\$ gr. 8.00@3.25 Auger, Douglass' Pat., \$\pi\$ eet, No. 1. \$1.0 : No. 2, \$1.40.60&10g Auger, Ivee' Pat., No. 1
Torrey's Rod, 43 in., \$\pi\$ gro 42.00 Victor, Coil50&10&10\$	John Sommer's "O. K.," Cork	\$2.00 net. Stube' Wire and Drill20 Wire, Morse's	.10. & to 0.7g
Drain Cleaners—	Lined	Wire, Morse's	Auger, Swan's Pat., \$\pi\$ set, No. 8. \$1.00; No. 4, \$1.25
Iwan's Adjustable	John Sommer's "Perfection." Cedar 40s	Gimlets-	Chirel, Worcester, Leather Cap'd 1.50
Drawer Pulls—	John Sommer's "No Brand," Cedar.	"Diamond" Gimlets, # gr. \$4.00@\$4.25 Double Cut	Disston's Crosscut
Sargent's List	Star60@60&5#	Metal Head	\$2.25@2.50 Hammer, Hatchet, Axe, Sledge, etc.,
Brawing Kuives—	SELF MEASURING-	Swan's, German Pattern 40&10%	50&% Hoe, Rake and Fork 60&10@60&10&5%
Adjustable Handle25@95&10% Bradley's	Enterprise * doz. \$36.00	Gimlet Bits-	"Simplicity" File Handles, # gr.
Douglass	National Specialty Mfg. Co88145	See Augers and Bits.	Saw and Plane
Mix	Filer— DOMESTIC—	"Woodward"net prices "Red Devil"net prices	50@59&10% CROSS-CUT SAW BANDLES—
P. S. & W	New List, Nov. 1, 1899.		Atkins
Watrons	American	Globe and Racking Cocks— See Faucets.	Hangers—
Drills and Drill Stocks-	J. Barton Smith	Glue-	American Trackless834&20%
Automatic Boring Tools	Disston's Superfine	Dodd's Liquid Glue25&25&105 Le Pages Liquid25&25&105	Barn Door, old pattern
Blacksmiths'	Great Western	Mystic	Best Anti-Friction
Breast, Goodell's	Keystone	Glue Pots-	Cronk's Roller Bearing. No. 0\$4 50 net per dozen.
Clamp	Royal 80@80&10%	Rnameled	No. 4 5.50 " No. 5 6.50 "
Ratchet, Merrill's	Second Quality Files	Grater»—	60&10&5% Cronk's Steel, cov'd, Loose Axle.60&5%
Ratchet, Moore's Triple Act25@30% Ratchet, Fletcher's	Stube	Enterprise	Coburn
Ratchet, Fletcher's 40% Ratchet, Whitney's 50% Ratchet, Weston's 20@25% Stearne' Bench 30%	Filters—	Griddles 70%	Kidder's 50@50&10%
Uprigut, D. & F	Acora	Grindstone Fixtures—	Lane's Barn Door; Barn Door, Standard60&10%
Hand, Goodell's	Subject to trade discount.	P., S. & W. Co	Covered
Adjustable No. 10, \$12.008814% Wilson's Drill Stocks	Fish Hooks-	Stowell	No. 50
TWIST DRILLS—	Amer. Fish Hook Co. list60@60&10s Kirby & Limerick, low list (50c base).10s	Gunpowder— See Ammunition.	Standard
See Augers and Bits. BLACKSMITHS'	Fish Scalers—	Gun Wadı-	New Model . " 2.75@ —— New Champion " 2.40@ ——
Coe's	Covert's Saddlery Works: Great American	See Ammunition.	New Champion " 2.40@ 60% Manhattan 60% McKinney's "None Better," No. 2,
Drug Mills-	Fitch'snet prices	Hafts— Britton's	\$18.00; No. 1 Special, \$15.00, \$\text{dozen pairs} \tag{60\&10\%} \text{Richards} Single Track, Steel \tag{40\&10\%}
National Specialty Mfg. Co30%	Fluting Scissors—	Halters-	Richards' Anti-Friction for
Enterprise Mfg. Co	List	Covert Mfg. Co: Jute Rope Halters85%	Victor, No. 1, \$15.00; No. 2, \$20.00; No. 8, \$25.00; No. 4, \$85.00.60&10&2445
Easy Lawn Swings— \$ doz	Forges— Royaton & Planmers 60s	Sisal Rope	Warner's Patent

			, ,
Cleveland Rubber Co.: Price Each Buckeye	Bone Mills.	WHOUGHT STEEL— List April 1, 1895.	Cherry Stoners— Enterprise
Shield High Grade	Enterprise	Bronzed Inside Blind Butts50@50&10%	Family net 🖲 doz. \$4.0
War. 2 XL	Borers, Bung.	Bronzed, Narrow50@50&10\$ Fast Joint, Narrow	Chisel and File Handles
xtra	Enterprise	Fast Joint, Light Narrow	See Handles.
Extra Para	Enterprise 25@30% Each \$1.25, \$1.65, \$2.50 Nos 1 8 8	Fast Joint, Light Narrow Spart Joint, Broad Loose Joint Loose Pin	Chisels—
Staple 60&10%	C. R. Jennings & Co.:	Loose Pin	SOCKET FRAMING AND PIRMER-
andard70&104	No. 6	,	Buck Bros
Belting, Stitched Cotton—	No. 10	Calipers—	Douglass)
phinx Brand	Borers, Tap-	Bemis & Call: Wing65%	MixOhio Tool Co
mpetition brand	Common Ring	Double	P. S. & W
Belts-	Ives25&10≴	Straight Leg	Witherby
ENDLESS THRESHER-	Boring Machines—	Call's Pattern, Inside	Witherby
our Ply, 6-in. net	WITHOUT AUGERS-	Can Openers—	TANGED AND MISCELLANBOUS—
our Ply, 8 in. net	Upright. Angular. Douglass'\$2.75 \$7.38	American	Box 60&10
Beuch Stops-	Jennings' 8.00 8.75 Millers Falle 7.50 15≰	Goodell's Acme	Buck Bros
ncinnati	Snell's, Rice's Pat. 2.75 8.00	No. 5, Iron Haudle. # gross, \$2,00@2.25 Sardine Scissors	C. E. Jennings & Co20
orrili's No. 1, \$10.00 per doz.; No. 2, \$11.0040&10%	Bow Pins-	₩ doz., \$4.50	Jennings & Griffin Mfg. Co Tanged Chisels and Gouges 40
ymour Smith & Sons	Hotchkiss60&10%	Sprague, No. 1, \$2.00; No. 2, \$2.25;	Spear & Jackson's \$5.80 to : Tanged Firmers' 40@40&10
errell s Nos. 1 and 2, \$8.00; No. 8, \$3.00 ₩ doz255	Boxes, Mail.	No. 8, \$2.50	COLD CHIERLS—
iller's Falls	Heller's	Cards—	Good quality, # lb 18c@20
	Box Strapping-	Cotton23	Smell's Best C. S
Binder Twine—	Cary's "Universal," in case lots.	Horse and Curry	Chucks—
Thite Sisal, 500 ft. to lb 8c tandard, 500 ft. to lb 8c	20&10@20&10&10¢ Braces—		Beach Patent, each, \$8.06
anile, 600 ft. to 15	Barbers'50&10@60&10%	Carpet Stretchers—	Combination
	Barbers' Ratchet	Montross' " Excelsior," % doz., \$6.00805	Independent
Bit Holders—	Ives':	Bullard's	Syracuse, Balz Patent
ngular45%	Barbers' 60&5% Barbers' Ratchet 60@60&10%	Socket	Combination40
Barber's, \$\text{\$0} doz. \$15.0045@50\$	New Haven Novelty 70¢	Carriage Bolts-	Independent
Ives' # doz. \$20.0060&10%	New Haven Ratchet60&10% Spofford60&56	See Bolts.	Victor, No. 1, \$8.50; No. 2, \$12.50.25
Bit Stock Drills—	C. E. Jenninge & Co.: No. 108@11414 50.8:104	Carriage Makers' Clampe—	Clamps-
ee Augers and Bits.	No. 20816@21414	See Clamps.	Adjustable, Cincinnati
Blind Adjusters—	Peck's (P. S. & W. Co.) 50&10@60%	Cartridges—	Adjustable Steems!
omestic. \$\psi\$ dos. \$3.00	Gen. Spofford's,	See Ammunition.	Malicable, Stearns' 73 Cabinet Makers or Quilt Frame, Sargent's 50 Carpenter's, Cincinnati 25&10
orth's	Brackets-		Sargent's 50
	Door Screen. 60&10% Shelf, Bradley's Patent	Bed	Carriage Makers', Sargent's .50@50&10 Carriage Makers', Stearus', 50@50&10
Blind Fastenings and Tenons—	Sheir, Plain, Regular list 66%\$	Bracket Bed	Carriage Makers' Stearns' 50@50&10 Carriage Makers' P. S. & W. Co.40&1
ustin & Eddy # gro. sets\$5.50 orban's improved Star Tenon	Shelf, Fancy, Sargent's list40&10	French or Phila. Iron Wheel. 70 & 10@75 Brase Wheel	imith's:
♥ gro. \$1.00	Window Screen Corner60&10s	Martin's Patent (Phœnix)40&10x	Eccentric
erriman's Brass Lever 💜 gr\$15 0n	Reading, Plain	Plate	Spicing Splicing Tools Splicing Tools Splicing Tools Splicing Tools Splicing Tools Splicing Tools Splicing Spli
illers Falls 20 set \$1.00 15.00	Bracket Saw Frames-	Payson's Truck	
ecurity Gravity & gr	Millers Falls Co	Tucker's Patent, low list80%	Cleaners, Sidewalk # do: Challenge Shank
immerman's	Bracket Sets-	Cattle Leaders—	Star Shank 4.00
Blind Hinges—	Millers Falls Co	Humason, Beckley & Co.'s70&10%	Star Socket 4.2
e Hinges.	Box Hooks, Openers and Scrap-	Peck, Stow & W. Co	Clippers— Horss—
Blocks-	ers-	Weltons70&10%	Chicago Flexible Shaft Co.'a:
hisholm & Moore Crane Load Blocks 15%	Humason & Beckley's 60&60&10%	Chain—	Chicago Belt Clipping Machine, Each \$15.00 ne
leveland Block Co. Steel60&10@70% ddy's60&10@70%	Bright Wire Goods-	American Halter Chain50@50&10%	New '98, Chicago Each 8.75 ne
artz' Steel	Standard. New list80%	American Proof Coil, Cask lots. F. O. B. Pittsburgh.	TOILET
on Strapped, Japanned Sheaves70% on Strapped, Lig Vitae Sheaves60% ope Strapped, Japan'd Sheaves.60&10%	Bull Rings— Humason, Beckley & Co.'s80s	Inch. Per fb. 8-16	Chicago Fiexible Shaft Co.'s: \$\ \text{dox} \ \text{Mascot}
ope Strapped, Japan'd Sheaves.60&10% V. Sheaves40%	Peck, Stow & Wilcox Co.'s60s	14 5.80	Monitor 9-90 ne
NDCC:	Sargent's	5-16	Stewart Pat10.00 ne
Junior, Self Sustaining	Bull Punches-	7-16 8.85	Clips—
Perfect Safety	Humason & Beckley's	3.75 9-16	Norway Axle
ogular from Strapped Blocks	Bush Hooks-	%	Superior Axle Clips60&10&10
60&10&10@70% Bolts—	See Hooks.	76	Coffee Mills—
DOOR AND SHUTTER-	Butchers' Cleavers-	1 8.50 An advance of 25c. \$\frac{2}{2}\tag{100 b} is added on	Box and Side
ast Iron Barrel, Square, &c50&10% ast Iron Chain50&10%	Bradley's	orders of less than cask lots. Bridgeport Chain Co.:	Enterprise Mfg. Co
INCLIFOR PURITIES AND	Foster Bros. Flat / ds	Brown, Coil	National Specialty Mfg. Co
es' Patent Door Bolts	Lancaster Mach. & Knife Wks. 8814@406	Brown, Halter	Waddel's New Box Mills
rought Square	& I. J. White 254	Monarch, Sash	Coil Chain—
40& 10& 10@ 50& 10%	New Haven Edge Tool Co.'s 40% P. S. & W	Triumph, Halter 584	See Chain.
r't Sunk Flush, Sargent's list. 50@50&10%	Butcher Knives-	Covert Mfg. Co., Breast Chain Covert Mfg. Co., Halter Chain	Compasses, Dividers, &c
r't Sunk Flush, Stanley's list.	See Knives.		Athol Calipers and Dividers40
45@45&10x r't B. K. Flush, Com'n, Stanley's	Butchers' Saw Blades-	Covert Mfg. Co., Rein Chain	Bemis & Call Co.'s: Compasses
list	Millers Falls Co. Star	German Coll. Het July 24. '97 MAZIUK	Dividers
CARBIAGE, MACHINE, &C	Butter and Cheese Triers-	German Halter Chain, list July 24, '97	70@70&10 Copeland's Extension
olt Ends70@70&734\$	Ordinary Black Handle	60念10% Jack Chain, Iron60歳60&10%	Stevens' 'Ideal''
achine	Humason & Beckley's 25&10s	Jack Chain, Brass 60&60&10% Oneida:	Stevens' "Ideal"
arriage, Common	Butt and Rabbet Gauges-	Niagara60%	Spring Caliners and Div 98.4-10
hila., Eagle, list June 1, '9980% eigh Shoe85%	Stanley's25&10g	Eureka	Wright's 881/2
TIRE-	Butts-	New List50&10@50&10&5%	Coopers' Tools-
merican Screw Co.:	BRASS	COW TIES-	Barton's 20@20&5
Bay State, Plain, list Dec. 28, '99, 77144	Cast Brass, Fast Joint40&10@50a Cast Brass, Ice House40%	American	Beatty's
Bay State, Finted	Cast Brass, Loose Joint 40&10@505 Wrought Brass, list Sept. '96.40@40&55	Covert Mfg. Co.:	L. & I. J. White
NOTWAY Phile list from 98 TOR 9012#	CAST IRON—	Cotton	Sandusky Tool Co 25&10@30&10 Shaves, Cincinnati Tool Co15@15&10
ommon, list Dec. 28, '99	Loose Joint 60&10&5@70g Loose Joint, Japanned. 60&10&5@70g	Jute85%	Corkscrews-
	Loose Joint, Japanned. 60&10&5@70% Loose Joint, Jap. with Acorns	Sisal20%	Detroit Cork-Screw Co
STOVE AND PLOW—	60&10&5@70g Loose Pin	Chain Guards—	Humason & Beckley Mig. Co. 40&10
low	Mayer's Hinges60&10&5@70⊄	Aluminum S. & N. Co	Samson % dom \$10.00 Williamson's 40
MISCELLANEOUS —	Parliament Butts60&10&5@70% Fast Joint, Broad	Chain Hoists—	Corn and Fodder Compressor
ink 75%	Fast Joint, Narrow 50@50&10%	Moore's "Anti-Friction"	J. B. Hughes', \$\pi\$ dozen net\$8.00
			G

Corn Hooks— \$\pi doz	Egg Beaters—	Forks-	Halter Chain—
Kretsinger Cut-Kasy\$8.00 net	Dover Stamping Co.: New Dover, & doz. 75 cts., & gro.\$7.50	Steel Goods Association List, Aug. 1, 1899.	See Chain.
Corn Knives and Cutters— Bradley'snet	Extra Family Size \$\pi doz. 2.00	Barn or Ice Forks	Hammers— Handled Hammers—
Wadsworth's net	Spiral	Beet Forks	Humason & Beckley 40&102
Counter-inks— Mayhew's Diamond	Standard Co.: \$\forall gro, Dover, No. 5	Coke and Cotton Seed Forks 40&5% Hay Forks, Four Tine, Standard	Magnetic Tack, Nos. 1, 2, 8 \$1.25, \$1.50&\$1.75
Smith's 254	Dover, No. 10	Size	\$1.50&\$1.75
8nell's	Rival 9.00	Tine 60&80% Manure Forks, Four Tine	Peck, Stow & Wilcox
Crayons—	Emery—	Manure Forks, Five and Six Tine70% Grain or Barley Forks70&10&2	Sargent's New List
Sargent's List 20% Dixons: \$ gro. Eclipse \$ 8,75 Emerald 5.09	Genuine Turkish Walpole Mills, No. 6 to 46, \$ fb10c)	Oyster Forks	Warner & Noble's New List25%
Rmerald	No. 54 to 150, \$\vec{9} \text{ ib} \qquad \qquad 10c \qquad 205 \qquad \qquad \qquad \qquad \qquad \qquad \qqqqq \qqqqq \qqqqqqqq \qqqqqqqqqqqq	Potato Digging Forks	HEAVY HAMNERS AND SLEDGES— Under 8 th 88 th 40c t
Rainbow 2.81 Solid 7.50	Enameline— F gro.	Shaving Forks	Under 8 1b \$\mathbb{B}\$ 1b 40c \ 80@80&10\forall 8 to 5 1b \$\mathbb{B}\$ 1b 80c 75&10@80\forall
Curry Combs—	No. 4 \$4.50	Socket Hay Forks, Four Tine66% 55% Socket Manure Forks, Four Tine70%	Wilkinson's Smiths9⅓c@10c ♥ D
Fitch's List net prices	No. 6 7.20	Socket Speding Forks copy Tipe.	Hammock Ropes—
Kohler's 90@85% New York Stamping Co. List, Sept	Escutcheons— Wood	70&5&5&2\\ 5 \\ Spading Forks	Covert Mfg. Co.: Jute
17, '97	E:pansive Bits-	Tanner's Forks 40&55 Hay Forks Three Tine, Standard	Sisal
Southington Cutlery Co.'s 20&10%	-	Size	Hand Cultivators— Ulrich Mfg. Co.:
Cycle Hangers—	Farriers' Knives - P doz.	Hay Forks, Two Tine, Standard	Osborne ⁴ s \$9 doz., \$15.00
Lane's	"Challenge" \$8.00 Popes \$.00 Wilkinson's \$8.0 net	Size65%	Handles— IRON, WROUGHT OR CAST—
See Post Hole, etc.	Wilkinson's	Fruit, Wine and Jelly Presses.	Chest Handles, Sargent's50&10≴
Dividers-	Faucets-	Enterprise	Chest Handles, Stearns' No. 1, Door or Thumb
See Compasses, Dividers, etc. Dog Collars—	Brass Globe Cocks	Fry Pans - 70@70 Ats	or Thumb
Chapman Mfg. Co.'s New List:	Compression Bibbs	Acme Fry Pans	Drawer Handles
Chain (full assortment)40% Leather (full assortment)40&10%	65&10@70s Lever Handle Bibbs, Gr. Ky.	Standard List	Roggin's Latches85@85&10#
Pope & Stevens:	Rgh	9 doz. \$8.00 \$8.75 \$4.25 \$4.75 \$5.25 No	Shelf Box Haudles 66% Trunk Handles 60%
Leatuel	Red Cedar	Fuse	Tub Handles
Union Hardware Co. New List 50@50&10;	Frary's Iron Petroleum 65@55&5% John Sommer's "Peerless" Tin	# 1000 ft. Heup Fuse \$2.60	Bronged, with Cylinder Lock 50%
Door Bults— See Bolts, Door.	Key	Cotton Fuse 2.90	Bronzed
Door Checks-	John Sommer's "Victor," Metal Key50&10%	Single Taped Fuse 8.25 Double Taped Fuse 4.20 Triple Taped Fuse 5.00	Japanned, without Plate45&10%
Berdsley's	Key	Gate Hinges-	DOOR PULL— Bar
Relips	John Sommer's "Buckeye," Metal Key40	See Hinges.	Barn Door
Norton's 50@50&10% Ogden's 8814@40%	Key 50%	Gauges— Bemis & Call's Steel 50%	Plain B. M 60060 & 104
Deor Holders-	John Sommer's "Rival," Metal Key.50% John Sommer's "Crescent," Metal Key 50&10%	Boss, Screw Pitch	Push Plates, Sargent's List. 60@60&10% Sash Pull Plates
Empire 50%	John Sommer s "Diamond," Lock 40%	Marking, Mortise, etc. 55&10@55&	Sash Pulls
Door Springs— Champion (Coil)	John Sommer's "Diamond," Lock. 40% John Sommer's "Eclipse," Lock, 40&10s John Sommer's "Union," Lock. 50% John Sommer's "I. X. L.," Cork	Stanley's 60&10%	woob-
Champion (Coil)		Stanley's Chisel	Auger, ascorted
Rubber, complete, \$\Psi\$ doz. \$5.50.45@50% Star (Coil), list Oct. '95	John Sommer's "Reliable," Cork Lined	Scratch 25&10% Copeland Champion Bit, \$\dot doz.	Auger, large \$ gr. 8.00@8.25 Auger, Douglass' Pat., \$ set. No. 1. \$1.0 : No. 2, \$1.40.60&10\$ Auger, Ives' Pat., No. 1
Torrey's Rod, 89 in., # gro\$15.00 Torrey's Rod, 43 in., # gro42.00 Victor, Coil50&10&10\$	Linea 70%	\$2.00 net. Stube' Wire and Drill	NO. 2 to 8216
Drain Cleaners—	John Sommer's "O. K.," Cork Lined	Wire, Morse's	AUGER SWAD A PAL. OF BEL. NO X
Iwan's Adjustable	Lined	Gimlets	\$1.00; No. 4, \$1.25
Drawer Pulls—	John Sommer's "No Brand," Cedar.	"Diamond" Gimlets, # gr\$4.00@\$4.25	Disston's Crosscut
Sargent's List	Star	Double Cut	Firmer Chisel, Apple, assorted, # gr. \$2.25@2.50 Hammer, Hatchet, Axe, Sledge, etc.,
brawing Knives-	SELF MEASURING-	Wood Head	Hoe, Rake and Fork 60&10@60&10&5%
Adjustable Handle25@25&10% Bradley's	Enterprise \$\forall doz. \$36.00	Gimlet Bits-	"Sin plicity" File Handle, # gr.
Douglass	National Specialty Mfg. Co88343	See Augers and Bits.	Saw and Plane
Mix	Files—	Glass Cutters— "Woodward"net prices "Red Devil"net prices	50@59&10%
P. S. & W	DOMESTIC— New List, Nov. 1, 1899.		CROSS-CUT SAW BANDLES— Atkins
Watrous	American	Globe and Racking Cocks— See Fancets.	Hangers-
Drills and Drill Stocks-	J. Barton Smith	Glue—	American Trackless
Automatic Boring Tools	Dieston's Superfine	Dodd's Liquid Glue 25&25&10s Le Pages Liquid 15&25&10s	Barn Door, old pattern60&10% Barn Door, New England66%@70%
Blacksmiths'60% Breast, Bartholomew's25&10%	Great Western	Mystic	Barry, \$6.00
Breast, Goodell's	Keystone. 80@80&10 Nicholson 70&10s Nicholson's X. F. Files 80@25&10s	Glue Pots-	Cronk's Roller Bearing. No. 0\$4 50 net per dozen.
Breast, Millers Fails, each \$8.00.15&10% Clamp 20% Ratchet, Billings Double Acting 881%	Royal 80@80&10\$	Enameled	No. 4 5.50 " No. 5 6.50 "
Ratchet, Ingersoll's	Second Quality Files80&10%	Graters—	60&10&5% Cronk's Steel, cov'd, Loose Axle 60&5%
Ratchet, Fletcher's	StubeStubs' list, 30@38145	Enterprise	Coburn 40% Davis Parior Door 50@50&5%
Ratchet, Weston's 20@25% Stearns' Bench 30%	Filters—	Cronk'e 70%	Duplex (Wood Track) 60&10&5% Kidder's
Upright, B. & P	Acora	Grindstone Fixtures—	Lane's Barn Door: Barn Door, Standard60&10%
Whitney's Hand Drill, No. 1, \$10 00; Adjustable No. 10, \$12.00,88144		P., S. & W. Co50@50&10% Sargent's Patent60&10&10	Covered
Wilson's Drill Stocks	Fish Hooks—	Stowell50% Gunpowder—	No. 50
TWIST DRILLS— See Augers and Bits.	Amer. Fish Hook Co. list 60@60&10\$ Kirby & Limerick, low list (50c base).10\$	See Ammunition.	8tandard \$\pi\$ set, net,\$\pi\$ 25@
BLACKSMITHS' Coe's	Fish Scalers—	Gun Wads— See Ammunition.	New Champion " 2.40@ —
Prentice 60%	Covert's Saddlery Works: Great American	Hafts—	Manhattan
Drug Mills—	Fitch'snet prices	Britton's₩ doz. \$6.50	dozen pairs
National Specialty Mfg. Co30% Enterprise Mfg. Co25@30%	Fluting Scissors—	Halters— overt Mfg. Co:	Richards' Anti-Friction
Easy Lawn Swings- 9 doz	Forges—	Sisal Rope	Victor, No. 1, \$15.00; No. 2, \$20.00; No. 8, \$25.00; No. 4, \$85.00,60&10&2345 Warner's Patent20&10&10\$
Ulrich Mfg. Co \$85.00	Boynton & Plummers60s	Web Halters45%	Wilcox's New Century50&10&10%

Harness Snaps— See Snaps,	Special Hoes	Lyra, all sizes	Lawn Sprinklers— Enterprise
Hasps and Staples—	Sunhem Meadow Hoes	Neponset	Gibbs' Arc
McKinney's "Perfect," \$1.10 ₩ doz.50%	Toy Ladies' and Boys' Hoes. 70&10&10% Truck Hoes	25@25&5% Putnam 28c 21c 20c 19c 18c 831/4%	Philadelphia Lawn Mower Co.: Philadelphia Lawn Sprinkler:
Wrought	Warren Hoes	Snowden914c 914c 914c 914c 914c net Vulcan 23c 21c 20c 19c 18c 25&10s	No. 1. No. 2. No. 8.
Hatchets-	Weeding Hoes and Rakes75% Hollow Augers—	Horse Shoes—	₩ doz. \$12.00 \$15.00 \$24,0080a
See Axes.	See Augers and Bits.	Horse and Mule, per keg\$8.75	Leaders— Covert Mfg. Co. Cattle
Hay Hooks—	Hollow Ware-	Burden's, all sizes	Lead Pipe, Etc.
Humason & Beckley 60&10%	RNAMELED—	Diamond State, Shoenberger, Crescent, &c\$3.75&5%	Lead Pipe, full lengths60
Hay Racks— Baxter Wrought Iron, No. 1, \$1.00,	Agate Nickel Steel Ware, list July,	Factory Shipments.	Lead Pipe, cut lengths
net; No. 2, \$1.50, net.	1899	Horse Ties-	Block Tin Pipe
Hay and Straw Knives-	Jan. 2, 1895	Covert Mfg. Co.:	Sheet Lead, cut rolls
Auburn Hay, Com. and Spear Point .50% wan's Hay, Sickle Edge, \$\pi\$ doz. net \$10	Second Quality, Granite, 70&10@70&10&10\$	Cotton	
wan's Hay, Imp. Serrated # doz.	Iron Clad :	Jute	Lemon Squeezers— Berger Bros. \$\pi\$ doz. 8-in. \$1.00; 10-in,
net\$10.50 Auburn Straw40%	Peppered Ware, high list	Wasa Dubban	\$1.40
ightning, from jobbers60&5% Vadsworth's40%	Never Break Enameled50&5@50&10%	Hose, Rubber— Boston Belting Co.:	\$1.40. Dean's, Nos. 1, \$\Pi \operatorus \oper
Hinges—	Ground	" Boston"50≰	
WROUGHT IRON HINGES-	Unground70%	Competition	Porc. Lined, Iron
colled Blind Hinges, Nos. 82 and 84,	WHITE ENAMELED-WARE-	N. J. Car Spring & Rubber Co.: Extra Para40&10s	Little Glant. 50@50&55 Porc. Lined, Iron \$3.85@\$3.50 Porc. Liued, Wood \$0.8 \$5.00
tolled Plate	Boilers and Saucepans50@50&10% Maslin Kettles70&10@75&5%	Reliable	wood, Common, & gross, No. 0, \$5.00;
colled Raised 6 to 12 in., W 15.	Tinned Boilers and Saucepans, 50@50&10≴	Standard	No. 1, \$6.50; No. 2, \$10.00,
	SILVER-PLATED-	Ice Awls, Chippers, &c.—	Name Door Plate
and Strap. 984@814c	4 mo. or 5% cash in 80 days. Hartford Silver-Plate Co	Copeland Ice Pick gr. \$9.00 net	Name Plate 70s.
22 to 86 in., \$ n, 234@8c.	Holmes & Edwards Silver Co. 40&15&5%	Crownnet Gem Ice Shavenet	Number Door Plate
STRAP AND T HINGES.	Meriden Britannia Co	Sargent's ice Awis	Levels—
New List, March 15, 1501.	Rogers & Brother	Snell's	C. E. Jennings & Co.'s:
[eavy Strap80≰]	William Rogers Mfg. Co40&10%	Ice Cream Freezers-	Hexagon
lght T	Hooks-	See Freezers, Ice Cream.	Lifters—
ixtra Heavy T	AGRICULTURAL—	loe Shredders—	See Transom Lifters.
linge Hasps and Staples 80x 🕫	Potato, all kinds	Enterprise, No. 38. 8 dos. 26.00 . 25@30s	Lines-
Trate Hinges	Iowa F. T. Co.'s Clam60&10&21/65	No. 84. \$ doz. 15.0025@80%	Cotton and Linen Fish, Draper's50g Cotton Chalk, 20 feet
Corrugated Extra Heavy T75&10%	BUSH-	Jack Chain—	Cotton Trot
apanned Light Strap	Jennings & Griffin's88 1/4 & 5/4	See Chain.	Colored Cotton40&10
apanned Light T	CORN—	Jack Screws—	Flax
apanned Extra Heavy T	Kretzinger Cut-Ezy \$ doz. \$8 net	See Screws.	Samson Cotton, No. 4, \$2.00; No. 4% \$2.5010
apanned Long Chest 80x	OAST IRON— Bird Cage, Sargent's list60&10&10\$	Kettles—	Silver Lake, Braided, No. 0, \$6.00
apanned Crate Hinges	Bird Cage, Reading	Spun Brass, Plain	No. 1, \$6.50; No. 2, \$7.00; No. 8, \$7.50 % gross
65&10% Salvanized Hinges with Brass Pins.	Bird Cage, Williamson50% Ceiling, Sargent's list50&10%	Metal10@15%	Ventilator Cord, Samson Braided, White or Drab Cot. 9 dos. \$7.50 \$9\$
8PRING HINGES-	Chandelier	Knives— Ames':	Wire Clothes, 100 feet, No. 18, \$2.25; No. 19, \$2.00; No. 20, \$1.75.
lommer's Brothers.	Coat and Hat, Sargent's list50&10% Coat and Hat, Reading60&10%	Bread Knives, \$ doz \$1.50	Loaded Shells-
Bommer Spring Hinges40% Bommer B. B. Floor Hinges40%	Coat and Hat, Reading	Butcher Knives	See Ammunition.
Bardsley's Patent Checking 15% Thicago 20%	Harness, Sargent's list 50@50&10% Lamp	Cronk's Chopping	Locks—
Bronze Metal	Picture	Foster Bros.' Butcher, &c30% Goodell's:	DOOR LOCKS, LATCHES, &C. Branford Lock Conet prices
Japanned Surface, Single 702-104	Wardrobe 55%	Bread Knives Ass'n listnet	Champion Night Latches 40g
Japanned Surface, Double	WROUGHT IRON AND STEEL-	Butcher net Shoe Knives	Lockwood Mfg. Co
Tuecan Surface, Single 702	Cotton Pat. (N. Y. Mallet & Handle	E. Hartzell's 30&5% Hay and Straw, see Hay Knives.	Norwalk Lock Co
Vigilant60&10%	Works)	Table and Pocket, see Cutlery. Wilson's Butcher Knivesnet	R & E. Mfg. Co
uion obling hinge Co.'s List.	\$\psi\$ doz		Sargent & Co
March, 1894	Tassel, T. & S. Mfg. Co 50&10%	Knives, Hay and Straw— See Hay Knives.	CABINET—
v нев', No. 1, ф gr., \$16.00; No. 2, \$18.00	Wrought Staples, Hooks, &c. See Wrought Goods.	Knobs-	Bagle Lock Co
GATE HINGES— Clark's, Nos. 1, 2, 350&10@60&10%	MEAT—	Bardsley's Wood Door, Shutter and	Corbin 83 Yale 88 Yale 88 Yale 88 Yale 88 Yale
1. 15., \$ aoz. \$7.80	Enterprise	Base	PADLOCKS-
K. R., Reversible, # doz. \$5.60	WIRE-	Carriage, Jap # gr. 80c00% Door Mineral. R. & R. list	Acme Bicycle and Satchel, # doz., \$9.0040s
hepard's, Nos. 1, 2, 8	Atlas Coat and Hat	Carriage, Jap. \$ gr. 80c. 60x Door Mineral, R. & E. list. 50x Door Por. Jap'd, " 50x Door Por. Nickel, " 50x Picture, Judd's 50x Picture, Saprant's 50x10x	Annes Sword Co405
BLIND HINGES-	Belt	Picture, Judd's	Brown's Chain
Clark's:	Wire Coat and Hat, Acme50&10@50 &10&5%	Picture, Sargent's	Champion
Lull & Porter, Nos. 0, 1, 114, 2, 214,	Wire Coat and Hat, Gem50&10@50 &10&5\$	Latches—	Scandinavian 90&254
Nos. 1. 8. 5	Wire Ceiling, Gem50&10@50&10&5% Wire Coat and Hat, Standard45%	♥ doz. Cronk's Barn Door Net, \$9.25	McWilliams 256 Smith & Egge Bicycle 500 Wespekt Free
Nos. 40 and 50		Lane's Barn Door	Wrought Iron
argent's, Nos, 1, 8, 5, 11, 1870&10% V. H. Co.'s No. 2 Mortise Gravity80%	MISCELLANEOUS— Covert Mfg. Co.:	Lawn Mowers—	TRUNK-
tanicy's Steel Gravity Blind Hinges,	Safety Gate and Scuttle Hooks85% Grass No. 2, \$1.65; 8, \$1.80; 4, \$2.00	Champion	Corbin's
with Screws, \$1.80 \$\pi\$ doz. sets. \$0&10\$	Hooks and Ryes – Brass	Continental	Machine Bolts—
Hitching Cords—	Cotton, Box and Hay60@60&10%	Enterprise	See Bolts.
Covert Mfg. Co454	Horse Clippers—	Styles M., S., C., K., T	Mail Boxes—
Hoes— iteel Goods Association List, Aug. 1,	See Clippers.	Style E., Low Wheel	See Boxes, Mail.
1899. Laphalt Hoes	Horse Nuils—	Drexel, low list. 60% Gold Coins, low list. 60%	Mallets— Sargent's List:
outon Hoes	Nos. 6 7 8 9 10	Great American	Hickory
Sotton Chopper Hoes 75&10&714	A. C25c 23c 22c 21c 21c 40&10%	Imperial	Lignumvitæ50@50&10;
Harper's No. 7 Mortar Hoes	American, all sizes	New Departure, Low Wheel	Cronk's Garden
Cretzinger, Cut-Ezy	Anchor 28c 21c 20c 19c 18c 40s	New York	Regular Goods60&10g
adies' Cotton Hoss	C. B. K 25c 23c 22c 21c 21c 40s	12 in. 14 in. 16 in.	Meat Cutters—
domain and Charles 1818HU HOES, 756	Capewell 190 180 170 180 160 10&5% Champlain 280 260 250 240 230	\$6.00 \$6.25 \$6.50 each net Pennsylvania	American
5&2445 Moriar and Street Hoes75&744&25 Planter Hoes, Regular Pattern70&305	40&5&2% Clinton Fin .19c 17c 16c 15c 14c80&5%	Racine	Dixon's
Rough Finish Shank Cotton Hoes 75&1214	Resex28c 26c 25c 24c 23c 40&10@50s	Standard	Nos 1 2 8 4 517 \$19 \$30
100010700	#0010@30#		- -



Enterprise	Ollers—	Pliers and Nippers-	Hay Fork, Swivel Eye, \$\formal{0}\$ doz., 4-inch, \$8.75; 6-inch, \$5.0055\$
Each	Brass and Copper	Button's	Hay Fork Hartz 414-inch 30 dog
Nos	Leader	Cronk's: Button Pattern	\$6.00
Home No. 1, \$2 doz. \$36	Perfect Oilers 1.50 Star Pocket Oilers	Flat and Round Nose40%	Stowell's Anti-Friction, 6-in. Wheel, 39 doz., \$12.0040%
Nos 805 810 812 820 828 835 848 844 872 868	Draper's: Brass	Gas Pliers, No. 100	Side, Anti Friction 50% Shade Rack 45%
Noe 305 310 312 320 323 335 348 344 372 368 Miles' Challenge, \$\text{\$\text{dos}\$}\] dos45\(\text{\$\text{dos}\$}\)45\(\text{\$\text{dos}\$}\)1% Noe	Steel	Wire Cutter and Bender	Upright 50&10@50&10&10%
\$22 \$30 \$40 Woodruff's, \$ doz	Maleable, Hammers, Old Pattern,	Hall's Pilers	Pumps—
Nos100 150 \$15 \$18	same list	Humason & Beckley Mfg. Co.50@50&10% Wm. Johnson's Gas Pliers66365	Cistern, Best Grades50&10@60% Pitcher Spout, Best Grades70&10%
Beef Shavers (Enterprise)25@80% Chadborn's Smoked Beef Cutter	"Paragon," Brass 5.3&10@60% "Paragon," Zinc 70@70&10% Tower & Lyon Bicycle 25%	Morrill's Parallel, & doz. \$12.00. 80&5% Smith's Side Cutting	F. E. Myers & Bro.: No. 1, Fig. 828, 8 in. Shallow Well Pump
₩ doz. \$60.00	Wilmot & Hobbs Mfg. Co.'s Steel Anti Rust	P. S. & W. Cast Steel 50@50&5% P. S. & W. Tinners' Cutting Nip-	No. 8, Fig. 828, 814 in. Shallow
Meat Juice Extractors—	Zinc and Tin	pers add 8% dis. 10%	Well Pump
Enterprise	OIL STONES—	Plow Bolts— See Bolts.	Pump
Metals, Anti-Friction—	Pike's Washita: Lily White, \$9 lb\$.60	Plumbs and Levels—	Pump
Magnolia Metal Co.: Magnolia, Anti-Friction25c	Pike's Washita Mounted No. 1: \$\pi \text{doz.} 8x2\$12.00	Cook's 40&10&10 Davis':	No. oz, rig. ozo, o in. Deep weii
No Name	7x2	Inclinometers20%	Pump
f. o. b. New York or Chicago.	5x2	Iron Levels 25&10% Disston's	Well Pump 14.00
Melting Ladles—	81/4×1 5.50 Discount, 881/4&10%.	Machinists'	No. 50, Fig. \$32, 814 in. Shallow Well Pump
Monroe's Patent 9 dos. \$4.00, 40% P. 8. & W 85&10@40%	Pike's Washita Axe Stones:	Stanley's	No. 72. Fig. 338. 8 in. Deep Well
Reading	About 2x2x34 to 116, \$ 10\$.24 About 2x2x14, extra selected40 Discount, 88143.	Stratton's Pat	Pump
Warner's30%	India Oil Stones	Poachers—	Well Pump 16.00 No. 102, Fig. 448, 8 inch Lift
Mitre Boxes—	Packing, Steam—	See Egg Poachers.	Pump
C. R. Jenninge & Co	BOSTON Belting Co.:	Police Goods—	Pump 11.00
Mop Wringers—	"Boston"	Tower & Lyon's	No. 128, Fig. 510, 8 in. Lift Pump
Matchless (Canton, O.), ♥ doz\$12.00	15 \$1.0050&10%	Prestoline Liquid, New List405	Fump 8.00
Motors-	Extra	Prestoline Paste	No. 225, Fig. 389, Windmill Pump
Specialty Novelty Coeach \$5.00	MISCELLANEOUS— # 15	U. S. Metal Polish Paste, 8-oz. boxes, \$ \text{doz} \text{50} \\ \text{gross} \text{4.50}	No. 285, Fig. 408, Windmill Pump
•	American Packing 9c@10c Cotton Packing18c@14c	14-lb. boxes, \$0 dox 1.25	No. 240, Fig. 406, Regulator Pump
Nails— WIRE AND OUT NAILS—	Italian Packing 1014c@12c Jute 5c@b14c	1 lb. boxes, \$\pi \doz \cdox \	Force Pump 16.00
See Review of the Markets for quotations.	Russian Packing	Barkeeper's Friend Metal Polish,	No. 267, Fig. 468, Geyser Tank Force Pump
Wire Nails and Brads, Papered, Ass'n	Padlocks— See Locks.	♥ doz 1.75 ♥ gross 18.00	No. 268, Fig. 518, Low Down Tank Force Pump 16 00
list, July, 1899	Parers-	Polish, Stove—	No. 802, Fig. 477, Spray Pump, complete
Brass Head, Combination list50%	APPLE—	Dixon's Plumbago 10 to Joseph Dixon's 10 gro. \$5.75,	No. 820, Fig. 492, Bucket Spray Pump 5.00
Brass Head, Sargent's list 70@70&5% Niles' Patent	Baldwin 5.00	Gem 9 gro. 4 50, 10%	No. 830, Fig. 547, Knapsack Spray Pump
Porcelain Head, Comb'n list40% Porcelain Head, Sargent's list50%	Bonanzaeach 5.00 Dundyeach 7.50	Poppers, Corn—	Discount, 50% f. o. b. Ashland.
FURNITURE—	Eureka, 1898each 16.00 Family Bay State	Round or equare, \$\pi\ \doz. \$\pi\ \gro. \\ \overline{1}\text{qt}\\$.75 \$ 7.00	Punches—
Antique Bronze	Improved Bay State\$27@80.00 Little Star4.00	112 qt	Bemis & Call Co.'s: Cast Steel Drive50&5%
Fire Gilt	New Lightning 5.50 Penn 8.75 Perfection 4.00	Quincy Corn Popper, 1 qt., \$\pi\$ dos. \$8.00; 2 qt., \$4.00	Check
Nail Pullers—	Perfection 4.00 Reading 72 4.00	Post Hole Diggers— \$\ dos.	Springfield Socket
Ajax, 5 lbs	Reading, 72 4.00 Reading, 78 7.00 Scott's Pat. Rotary \$15.00, 90s	Disston's Samson Digger\$34.00, 26s Iwan's Split Handle, & dos. net\$8.50 Iwan's Perfection, & doz. net\$9.00	Niagara Hollow
Cyclops	Turntable, Old Style 4.50 Turntable, 1898	Ryan's	Saddlers' or Drive, good60@66% Snell's Tinners'50%
Bureka, No. 74	White Mountain	Post Hole Augers-	Spring, goed quality, \$\vartheta\$ doz., \$1.70@1.80 Spring, Leach's Pat
Giant, No. 1, \$ doz. \$18.00; No. 114, \$16.50; No. 2, \$15.00	Saratoga\$5.50	Iwan's Patent Improved 40% Vaughan's, 6 to 9 in., 3 doz. net \$6.00	Tinners' Solid, P. S. & W. Co., \$\Phi\ \text{doz}
National	White Mountain4.50	Potato Hooks, etc.—	Tinners' Hollow, P. S. & W. Co.,
Pelican	Pencils— Dixon's: # gro.	Hoe Down Hooks	Rail-
Small, No. 8	Carpenter's	Powder—	Barn Door, Light, In. 14 56 34 30 100 feet\$1.40 1.95 3.69
" No. 8 D \$\(\psi\) doz. 4.00 Large, No. 1 \$\(\psi\) doz. 6.50	Lead 4.00@7.50 Lead 2.18@4.88	See Ammunition.	# foot
No. 2	Lumber	Presses—	Froot4c
" No. 2 D \$\varphi\$ doz. 4.50	Mascot, Round8.10	See Fruit and Jelly Presses.	B. D. for N. E. Hangers: Angular, # foot, 6c70%
Nail Sets Buck Bros27145	Percussion Caps—	Primers— See Ammunition.	## 100 feet
Cannon's Diam'd Point, # gro. \$12, 25% Humason's	See Ammunition	Pruning Hooks and Shears—	Cronk's: \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Hunters' Cup Point, Knurled \$10.00	Picks— Railroad or Adze Eye, 5 to 6, \$12.00.	Cronk's Pruning Shears	O. N. T. Style, No. 18 8 c Double Braced
Hunters' Con Point, Plain. 9.00	6 to 7, \$13.0060&10@60&10&10	Disston's Combined Pruning Hook and Saw 9 doz., \$18.00, 25@25&10%	O. N. T., 1 in \$2.06 O. N. T., 1½ in \$5.0 Standard, 1½ in \$.75
Octagon 4.00@4.75 Round, assorted 3.00@3.25 Square 4.00@4.25	Planes and Plane Irons-	Disston's Pruning Hook, \$\text{9} dos., \$12.00, 25@25&10\$	Standard, 1½ in 3.75 Stowell's Wrought Steel 35%
Snell's: Octagon\$4.75	WOOD PLANES— Bailey's (Stanley R. & L. Co.)	Henry's: Pruning Shears	Sliding Door, Bronzed Wrought Iron, \$\pi\$ foot6\(\frac{1}{2}\)c
Corrugated 6.50 Knurled 9.00	50.4:10@60s	Orange	Standard 1/2 III. Stowell's Wrought Steel
Nippers-	Bench, First Quality	Tree Pruners	Sliding Door, Wrought Brass, 136 in., \$\pi_{\text{th}}\$, 86c
Acme	Molding	P., S. & W. Co.'s Shears 60% Waters' Tree Pruners	Victor Track Rail, 7c % ft60&10&2146
Todd's Cutting50%	Charling Trop Planes 50 \$ 100 \$00	Wheeler, M. & C. Co.'s Combina- tion	Bakes, Etc.—
Nut Crackers— # gro.	Chaplin's Iron Planes50&10@60s C. E. Jennings & Co., Iron50&10s Sargent's	Pulleys—	Cronk's: Wrought Steel Garden60&205
Acme, Japanned	Standard Tool Co	Awning	Queen City Lawn 40% Steel Garden Rakes70&5&9%
Turner & Seymour Mfg. Co50%	Stanley Rule & Level Co.: Bailey's	Axle	Steel Garden Rakes Stamped Blank. 79% Steel Road Rakes
Nuta— Off list. Hot pressed, square, blank\$5.80	Miscellaneous	Clothes Line, Japanned	Steel Tar or Asphalt Rakes
Hot pressed, hexagon, blank 6.00 Hot pressed, square, tapped 5.20	PLANE IRONS-	Common Sense	Prize Bow Braced Steel70&5&95
Hot pressed, hexagon, tapped 5.90 Cold punched, plain, square, blank 5.10	Auburn "Thistle"	Empire Sash Pulley60% Fox-all-steel:	Peerless Shank
Cold punched, hexagon, square,	Duck Dive	Nos. 8 & 7. 214-inch wheel, \$\psi\$ dos25c No. 9, 134-inch wheel, \$\psi\$ doz20c	Rasps, Horse—
tapped 4.90	Butcher's	No. 10, 2-inch wheel, \$\vartheta\$ doz25c Extra for plated finish, \$\vartheta\$ doz20c	Disston's
Cold punched, plain, hexagon, tapped	Stanley Rule & Level Co50&105 L. & I. J. White20&5@255	Extra for antique bronze bushing,	New Nicholson Horse Rasp
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Razors-	Samson: "Mass." White, Cotton2214@24c	Saw Sets-	Drive Screws, Diamond Point.8714@905- Iron, Bright Flat Head8714@905
Electric List net "John Engstrom" net prices	** Sameon ** Braided write, Cotton ** Th 284@30c	Atkins: Criterion Saw Sets # doz. \$6.00	Iron, Bright Round and Oval Head 85@87144
J. R. Torrey Razor Co	"Samson" Braided Drab, Cotton	Excelsior Saw Tools & doz. 6.00 Bemis & Call Co.'s:	Nickel Plated, Iron Flat Head75@60% Nickel Plated, Iron Round Head.75@80%
210%	"Samson" Braided Italian Hemp	Cross Cut	
Registers and Ventilators—	"Samson" Braided Linen 单 b.50億55c Silver Lake:	Plate	MACHINE-
BOT AIR-	A Quality, Drab	Disston's Monarch Nos. 1 & 10 and Star	List, January 1, 1898. Brass, Flat Head50%
New List, Sept. 2, 1901: Black Japanned	B Quality, Drab # 15 85c. 5% B Quality, White # 15 80c, 5%	Hart's Pat. Lever20% Kohler's:	Brass, Round Head
White Japanned 70% Bronzed Finishes 70%	United States: B Quality # 15 1814c	"Giant Royal" # doz. \$9.00 "Royal" # doz. 6.00	fron, Round Head50%
Electro-Plated 70%	C Quality \$ 10 173gc White Cotton, Hard Braided \$ 15 18c	Leach a	COACH, LAG AND HAND BAIL-
Nickel Plated. 10% White Porcelain. 60%	White Cotton, Hard Braided # B 180	No. 1, \$15.00; No. 10, \$15.50; No. 11, \$16.00	G. P. Coach. List. Feb. 14, 1895,
Solid Brass and Bronze Metal50%	Sash Fasteners, Holders, &c.	Cross Cuts Nos. 8 and 4, \$28.00; No. 5, \$31.00. 40&20%	Hand Rail
Rings—	Sash Lifts 60&10&10%	Richardson's	Lag Screws. List, January 30, 1895. Cone Point
See Bull and Hog Rings.	Sash Lifts Flush	₩ doz\$4.75	
Rivets and Burrs—	Sash Rollers	Stillmans	BENCH, HAND, ETC. —
Belt with Burrs	Shutter Sheaves. 60% Window Screen Sash Lifts. 65%	6 . •	Bench, Iron, \$\pi\$ doz., 1 in., \$3.95; 116, \$8.50; 114, \$4.25
IBON—		Scales— Chatillon's:	Bench, Wood, Beach
List, Nov. 1, 1894.	Sash Locks—	Eureka	Hand, Wood40%
Ordinary, in bulk 70% Thousand, in bulk 70%	Champion Meeting Rail	Favorite 40% Grocers' Trip Scales 50%	Jack Screws, Millers Falls, Roller Bearing John Street Millers Falls, arithmetic
Inousand in Danera 70≥	Davie, Bronze, Barnes Mfg. Co 50% Elting's Ventilating	Family, Turnbull's80@80&10% Hatch:	Jack Screws, Millers Falls, without Roller Bearing
Coopers', in bulk. 70% Block and Carriage, in papers. 70%	Fitch s: 1ron	Counter, No. 171. dos. \$17.00@\$18.00 Tea, No. 161 dos. 5.75@ 6.00	Jack Screws, Sargent's
Belt with Burrs, Tinned or Cop-	Bronze and Brass	Union Platform Plain 2.00@ 2.10 Striped 2.15@ 2.25	Piano Stool
porcu	Ives' Patent: Wrought Steel		Scroll Saws-
Rivet Sets-	Bronze M. Knob	Scale Beams—	
Regular List	Cast Iron	Chatillon's No. 1	Barnes' No. 1, \$8; No. 6, \$10; No. 7, \$15
Rollers.	Payson's Perfect		Cricket
Lane's, Stay 83165	recauling	Scrapers, &c.—	Lester, complete, \$10.00 15&10% Rogers, complete, \$4.00 15&10%
Rope—	Sash Weights-	Adjustable Box Scraper (S. R. & L. Co.) \$6.00	togets, compress, gr.ss
Cotton Rope, Best, 140	Small lots \$ ton \$25.00	Box, 1 Haudle	Scythen, Gr-ss- \$ doz.
14 inch and larger 12c Medium, 14 in. and larger 12c Common, 14 in. and larger 10c	Top lots at factory \$20.00@22.50	Foot	Natural Finish
Jule Rope;	Sausage Stuffers or Fillers-	Ship, R. I. Tool Co10%	Polished Blade 8.0. 8.15 Painted or Bronzed 8.00
A grade	Draw Cut, No. 4each \$80.00, 205	SIDEWALK—	Weed and Bush 7.25@ 7.50
7-16 m. and larger	Enterprise Mfg. Co25@25&714% National Specialty Mfg. Co25#	Kohler's, Steel No. 7 ≱ doz. \$8.00	Seeders-
36 in 101/cc 14 and 5-16 in 11 c Haay Rope, Medium 101/cc	Transfer opening ling, committee on	Ranana	Raisin, Enterprise
	Saws-	Screens— DOOR—	
7-16 in. and larger 8 c 36 in 814c 34 and 5-16 in 9 c	Atkins; Band 7 to 14 in. Wide 60&10%	Phillips: % doz.	Shears—
14 and 5-16 in 9 c	Band 2 to 6 in. Wide	% in., Style E, Fancy Screen Doors	Acmr (Cast)
Rules-	Butcher, Pruning and Compass 40&55 Circular	%-in., Style G, Common Screen Doors	Ætna, Steel Nickeled
			Damand Lamp Tulmmana mas
Athol, Steel	Cross Cut	%-in., Style K, Fancy Screen	Barnard Lamp Trimmersnet Carrier Cutlery Co.:
Ivory	Cross Cut	74-in., Style K, Fancy Screen Doors	Carrier Cutlery Co.: N. P. Straight Trimmers663/6 N. P. Bent Trimmers663/6
Ivory	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 24-in., Style K4, Fancy Screen Doors 8.50	Carrier Cuttery Co.: N. P. Straight Trimmers
75&10&10&10&10x	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 24-in., Style K4, Fancy Screen Doors 8.50 window—	Carrier Cuttery Co.: N. P. Straight Trimmers
Ivory	Cross Cut	76-in., Style K, Fancy Screen Doors 8.00 25-in., Style K4, Fancy Screen Doors 8.50 window— Porter Screen Mfg. Co60@60&55 Phillips:	Carrier Cutlery Co.; N. P. Straight Trimmers
75&10&10&10&10 1vory 85&10@85&10@10&10 Lufkin's: 8teel 55& Lumber 50&10 Miscellaneous, Stanley's 55&10 Starretts Rules and Straight 55&10 Starretts Rules and Straight 55&10	Cross Cut	76-in., Style K, Fancy Screen Doors 8.00 42-in., Style K4, Fancy Screen Doors 8.50 window— Porter Screen Mfg. Co	Carrier Cutlery Co.: N. P. Straight Trimmers
75&10&10&10x 10x 1	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 ***	Carrier Cutlery Co.: N. P. Straight Trimmers
1	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 24-in. Style K4, Fancy Screen Doors 8.50 window— Porter Screen Mfg. Co	Carrier Cutlery Co.: N. P. Straight Trimmers
Tory	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 74-in. Style K4, Fancy Screen Doors 8.50 WINDOW— Porter Screen Mfg. Co	Carrier Cutlery Co.: N. P. Straight Trimmers
Tory	Cross Cut	74-in., Style K, Fancy Screen Doors	Carrier Cutlery Co.: N. P. Straight Trimmers
75&10&10&10x	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 24-in., Style K4, Fancy Screen Doors 8.50 WINDOW— Porter Screen Mfg. Co. 80@60&52 Phillips: Bonanza Screens 60@60&55 Express 60@60&55 Flyer. 60@60&55 Perfection Screens 60@60&55 Northwest 60&105 Window Screen Frames 80&105 Screw Drivers— Brace Screw Drivers 25&10&55 Buck Broe 806	Carrier Cutlery Co.: N. P. Straight Trimmers 66% Japanned Straight 70&10% Japanned Bent 70&10% Heinisch's: St. Trimmers, etc. 60&10@60&10&10% Tailors' Shears. 40% Tinnere' Ships 40% Pruning See Pr'ning Hooks & Shears. Seymour's Standard List: Japanned 70% Nickeled 60% Standard Cutlery Co.: Japanned. 70&10% Nickeled 60% Standard Cutlery Co.: Japanned. 70&10% Nickeled 60% Nickeled 60% Nickeled 60% Nickel Shears. 70% Nickel Shears. 60% Nickel Shears. 60% Nickel Shears. 70%
Tory	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 24-in., Style K4, Fancy Screen Doors 8.50 WINDOW— Porter Screen Mfg. Co. 80@60&52 Phillips: Bonanza Screens 60@60&55 Express 60@60&55 Flyer. 60@60&55 Perfection Screens 60@60&55 Northwest 60&105 Window Screen Frames 80&105 Screw Drivers— Brace Screw Drivers 25&10&55 Buck Broe 806	Carrier Cutlery Co.: N. P. Straight Trimmers
Tory	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 24-in., Style K4, Fancy Screen Doors 8.50 WINDOW— Porter Screen Mfg. Co. 80@60&52 Phillips: Bonanza Screens 60@60&55 Express 60@60&55 Flyer. 60@60&55 Perfection Screens 60@60&55 Northwest 60&105 Window Screen Frames 80&105 Screw Drivers— Brace Screw Drivers 25&10&55 Buck Broe 806	Carrier Cutlery Co.: N. P. Straight Trimmers
Tory	Cross Cut	74-in., Style K, Fancy Screen Doors	Carrier Cutlery Co.: N. P. Straight Trimmers
Tory	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 74-in. Style K4, Fancy Screen Doors 8.50 WINDOW— Porter Screen Mfg. Co	Carrier Cutiery Co.: N. P. Straight Trimmers
Tory	Cross Cut	74-in., Style K, Fancy Screen Doors	Carrier Cuttery Co.: N. P. Straight Trimmers
1	Cross Cut	74-in., Style K, Fancy Screen Doors	Carrier Cuttery Co.: N. P. Straight Trimmers
1	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 24-in., Style K4, Fancy Screen Doors 8.50 WINDOW— Porter Screen Mfg. Co	Carrier Cuttery Co.: N. P. Straight Trimmers
1	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 24-in., Style K4, Fancy Screen Doors 8.50 WINDOW— Porter Screen Mfg. Co. 80@60&55 Phillips: Boranza Screens 60@60&55 Flyer. 00@60&55 Perfection Screens 60@60&55 Perfection Screens 60@60&55 Window Screen Frames 80&10% Sorew Drivers— Brace Screw Drivers 25&10&56 Buck Bros 30% Screw-Driver Bits 274% Champion. 40% Disston s Flat Blade, Electric Telegraph and Cabinet Makers 70% Electric Spiral No. 01 . 9 doz \$0.00 net Ellcich's Socket and Ratchet. 40&10% Fray's Hol. Hdle. Sets. No. 3 \$12, 50% Howard-Allard. A1 \$ doz. \$0.00 net C. E. Jennings & Griffin 66% Jones Reverable Spiral No. 1, \$0.00 net C. E. Jennings & Co. 40&10% Jennings & Griffin 66% Jones Reverable Spiral No. 1, \$0.00 net Spiral No. 2 \$0.00 net Spiral No. 1, \$0.00 net C. E. Jennings & Co. 40&10% Jones Reverable Spiral No. 1, \$0.00 net Spiral N	Carrier Cutlery Co.: N. P. Straight Trimmers
Tory So 10 2 10 2 10 2 10 2 10 2 10 2 10 2 10	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 14-in., Style K4, Fancy Screen Doors 8.50 WINDOW— Porter Screen Mfg. Co. 60@60&55 Phillips: Borsanza Screens 60@60&55 Express 60@60&55 Fiver. 60@60&55 Fiver. 60@60&55 Perfection Screens 60@60&55 Northwest 60&10 Screw Drivers— Brace Screw Drivers 25&10&55 Buck Bros 305 Screw-Driver Bits 77 Champion. 19 doz. 36.00 net Ellectric Spiral No. 01. 9 doz. 36.00 net Ellectric Spiral No. 02. 9 doz. 5.00 net Ellectric Spiral No. 02. 9 doz. 5.00 net Ellectric Spiral No. 03. 312, 505 Howard-Allard A2 9 doz. 3.00 net C. E. Jennings & Griffin 66965 Jones Reversible Spiral No. 1, 9 doz. \$18.50 net; No. 2 9 doz. 312.00 Sargent & Co. 5. No. 1 Forg. Blade. 50&10@50&10&55 Nos. 20 and 40. Screw-Driver Bits (Snell's) 9 doz. 6.60	Carrier Cutiery Co.: N. P. Straight Trimmers
Typy 35&10&10&10x Lufkin's: Steel 55g Lumber. 50&10g Miscellaneous, Stanley's 55&10g Starrett's Rules and Straight Edges. Steel 25&10 Sad Irons— Chinese Laundry \$5 44g Chinese Sad 34g Crown, Pollshed \$0x. \$6.50 Crown, Nickel. \$4 doz. 7.00 Common 4 to 10. \$5 834@334g COLD HANDLED— Enterprise Mfg. Co. of Pa. 30&5g Self-heating \$0 doz. \$10.00, 20g Self-heating \$0 doz. \$2.10, 25g Sensible Nickel. \$0 doz. \$7.00 Sensible Polished \$0 doz. \$7.00 Sensible Nickel. \$0 doz. \$7.00 Sensible Nickel. \$0 doz. \$7.00 Sensible, Tailors' \$0 doz. \$7.00 Sensible Polished \$0 doz. \$7.00 Sensible, Tailors' \$0 doz. \$7.00 Sensible Colshed \$0 doz. \$7.00 Sensible Nickel \$0 doz. \$0.00	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 24-in., Style K4, Fancy Screen Doors 8.50 WINDOW— Porter Screen Mfg. Co. 60@60&55 Phillips: BOMARIE Screens 60@60&55 Express 60@60&55 Flyer. 60@60&55 Perfection Screens 60@60&55 Perfection Screens 60@60&55 Northwest. 60&10% Window Screen Frames 60&10% Sorew Drivers— Brace Screw Drivers 25&10&5% Buck Bros 30% Screw-Driver Bits 27/5% Champion. 40% Disston s Flat Blade, Electric, Telegraph and Cabinet Makers 70% Electric Spiral No. 01. 9 doz. \$0.00 net Ellictric Spiral No. 02. 9 doz. 5.00 net Ellictric Spiral No. 03. 9 doz. 5.00 net Ellictric Spiral No. 04. 9 doz. 5.00 net C. E. Jennings & Griffin 42 doz., \$0.00 net C. E. Jennings & Co. 40&10% Jones Reversible Spiral No. 1, 9 doz. \$18.00 net; No. 2 9 doz. \$12.00 Sargent & Co. 10% Screw-Driver Bits (Snell's) 9 doz. 60% Stanley R. & L. Co. 10% No. 20 and 40. Socholos 50&10% No. 40, Varnished Handles. 60&10%	Carrier Cutiery Co.: N. P. Straight Trimmers
Typy 35&10&10&10x Lufkin's: Steel 55g Lumber. 50&10g Miscellaneous, Stanley's 55&10g Starrety's Rules and Straight Edges. Steel 25&10 Sad Irons— Chinese Laundry \$5 44g Chinese Sad 650 Crown, Polished \$0z, \$6,50 Crown, Nickel. \$0c, 7.00 Common 4 to 10. \$5 34g 84g Self-heating \$0c, 0f Pa \$0.25g Self-heating \$0c, \$10.00, 20g Self-heatin	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 24-in. Style K4, Fancy Screen Doors 8.50 WINDOW— Porter Screen Mfg. Co	Carrier Cutiery Co.: N. P. Straight Trimmers
Typy 35&10&10&10x Lufkin's: Steel 55g Lumber. 50&10g Miscellaneous, Stanley's 55&10g Starrett's Rules and Straight Edges. Steel 25&10 Sad Irons— Chinese Laundry \$5 44g Chinese Sad 34g Crown, Polished \$0z. \$4.50 Crown, Nickel. \$60z. 7.00 Common 4 to 10. \$5 814@814g COLD HANDLED— Enterprise Mfg. Co. of Pa. \$0.55 Self-heating \$0 0z. \$10.00, 20g Self-heating \$0 0z. \$10.00, 20g Self-heating \$0 0z. \$2.00, 25g Sensible Nickel \$0 0z. \$2.00 Sensible Polished \$0z. \$7.00 Sensible, Tailors' \$0 0z. \$2.00 Sensible, Tailors' \$0 0z. \$7.00 Sensible, Toilors' \$0 0z. \$7.00 Sensible, Tailors' \$0 0z. \$7.00 Sensible, Toilors' \$0 0z.	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 24-in. Style K4, Fancy Screen Doors 8.50 WINDOW— Porter Screen Mfg. Co	Carrier Cutiery Co.: N. P. Straight Trimmers
Typy	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 24-in., Style K4, Fancy Screen Doors 8.50 WINDOW— Porter Screen Mfg. Co	Carrier Cutiery Co.: N. P. Straight Trimmers
Typy 35&10&10&10x Lufkin's: Steel 55&10x Lufkin's: Steel 55&10x Lumber. 50&10x Miscellaneous, Stanley's 55&10x Starretr's Rules and Straight Edges. Steel 25&10 Sad Irons— Chinese Laundry \$5&10x Sad Irons— Chinese Sad 650 Crown, Polished \$0.2 \$6.50 Crown, Nickel. \$0.2 7.00 Common 4 to 10. \$5 314@84x COLD HANDLED— Enterprise Mfg. Co. of Pa. \$0.25x Self-heating \$0.2 \$2.10, 25x Self-heating \$0.2 \$2.10, 25x Sensible Nickel \$0.2 \$2.00 Sensible Polished \$0.2 \$2.10, 25x Sensible Nickel \$0.2 \$10.00 Sensible Polished \$0.2 \$10.00 Sensible Polished \$0.2 \$10.00 Sensible Polished \$0.2 \$10.00 Sensible Tailors' \$0.20 Sensible Tailors' \$0.20 Sensible Sensible Nickel \$0.20 Sensible Sensible \$0.20 Sensible \$	Cross Cut	The style K, Fancy Screen Doors S.00	Carrier Cutiery Co.: N. P. Straight Trimmers
1	Cross Cut	The style K, Fancy Screen Doors S.00	Carrier Cutiery Co.: N. P. Straight Trimmers
1	Cross Cut	74-in., Style K, Fancy Screen Doors	Carrier Cutiery Co.: N. P. Straight Trimmers
Tory	Cross Cut	Total Style K. Fancy Screen Doors S.00	Carrier Cutiery Co.: N. P. Straight Trimmers
1	Cross Cut	74-in., Style K, Fancy Screen Doors	Carrier Cutiery Co.: N. P. Straight Trimmers
1	Cross Cut	74-in., Style K, Fancy Screen Doors 8.00 14-in., Style K4, Fancy Screen Doors 8.50 WINDOW— Porter Screen Mfg. Co. 60@60&55 Phillips: Bowanza Screens 60@60&55 Express 66@60&55 Fiver. 60@60&55 Perfection Screens 60@60&55 Perfection Screens 60@60&55 Northwest. 60&105 Sorew Drivers— Brace Screw Drivers 25&10&55 Buck Bros 307 Screw-Driver Bits 2745 Champion. 405 Disston s Flat Blade, Electric, Telegraph and Cabinet Makers 705 Electric Spiral No. 02 9 doz 5.00 net Ellectric Spiral No. 02 9 doz 5.00 net Ellectric Spiral No. 02 9 doz 5.00 net C. E. Jennings & Griffin 42 9 doz 8.00 net C. E. Jennings & Griffin 6695 Jones Reversible Spiral No. 1, 9 doz \$12.00 Sargent & Co. \$20 Sorew-Driver Bits (Snell's) \$100 Sorew- Wood Screwe Wood Screwe Liet, January 1, 1900 Brass, Flat Head \$5687148	Carrier Cutiery Co.: N. P. Straight Trimmers
1	Cross Cut	A-in. Style K, Fancy Screen B.00	Carrier Cutiery Co.: N. P. Straight Trimmers



Shovels and Spades-	SILVER PLATED FLAT WARE—	Swedes Iron Tacks;	Nellis Forkeach, 1.89
Association prices to small trade.	L. Boardman & Son Catalogue "C"	S. S	New Myers Iron Rod Car 8.25 Reed Wood Frame Pulley with
No. 2, Polished, Square or Round Point, D or L Handle:	"1847"	Bill Posters' and Railroad Tacks: S. S	Hook, Fig. 434
A1, B2, 1st Grade, 2d Grade	"Anchor" 50&10% "Eagle" 50&10% "Star" 50&10%	Finishing Nails	Rev. Car., Wood Track 8.25
Plain Back\$10.50 \$9.60	"Star"50&10%	Gimp Tacks: S. S	Rope Hitch # doz. 1.75 Single Rail Car, Single Steel T 8.50
Strap Back 9.90 9.00 Cleveland Pattern 10.20 9.80	Rogers & Hamilton	Hungarian Nails, Steel80&15% Lace Tacks:	Single Rail Steel Track with clamps \$\(\frac{1}{2}\) ft09
C8, D4, 8d Grade. 4th Grade	Holmes & Edwards50&10&10% German Silver, unplated50%	8. S	Sprout's Shear Fork, each\$1.50 Steel Frame Pulley with Iron
Plain Back \$8.70 \$8.10 Strap Back 8.10 7.50		Trimmers' Tacks:	Sheave, Fig. 565, \$\forall doz 1.85
Cleveland Pattern. 8.40 7.80	ENIVES AND FORES NO. 19-	S. S	Sure Grip Sling Car, Steel or Wood Track
All other sizes, add 80c. doz. Black, deduct 80c. doz.	**1847 "\$8.50	Steel, Black	Walker Fork, each
	"Anchor" 8.25 "Eagle" 8.25 "Star" 8.25	Upholsterers's Tacks:	
Shovels and Tongs-	"Star" 3.25	8. 8 90 & 40%	Transom Lifters—
Brass Head	Rogers & Hamilton 8.25	miscellaneous—	Ajax
Iron Head	Holmes & Edwards 8.00	Double Point, in dozens,	Bronze Metal, with Safety Spring
Shutter Bars-	Sanda ee	90&10&10&10&10&10&10&10 Double Point, in bulk	50@50&10% Crescent
[ves'45%	Springs— See Door Springs.	Matting80%	Dickson's
	See Door Springs.	Shade, in dozens	Payson's Solid Grip, Nos. 308 and 804, \$100
Shutter Bolts—	Spring Balances—		Shaw's:
See Bolts, Shutter.	See Balances.	Tack Pullers	Copper Finished
·		Columbia, No. 1, # doz., net\$1.00	
Sifters, Flour-	Spring Hinges-	Columbia, No. 2, \$\pi\$ doz., net \doz. 1.50 Little Jack \doz. \$\pi\$ doz., \doz. 1.00	Traps—
Hunter's Genuine gross, \$10@\$11.50	See Hinges.		FLY—
	Samanas	Tapes, Measuring—	Balloon # doz. \$1.25, # gro. \$12.00
Skate Sharpeners-	Squares— Dieston's Try Square and T Bayels	American Asses' 8kin40&10@50%	Globe % doz. 1.25, % gro. 12 00 Harper % doz. 1.40, % gro. 15.00
Eureka doz. \$1.75; % gro. \$18.00	Disston's Try Square and T Bevels, 60&10%	Leather Case	
	Starrett's Micrometer Caliper Squares, 25%	Chestermans 25@25&25%	GAME
Slaw and Kraut Cutters-	Try Square and T Bevel60&10 @60&10&10%	Keuffel & Esser Co., New List, 1898: Steel and Metallic	Star, Blake's Pattern60&10&10% Enterprise Mole15%
Disaton's: Slaw, Vegetable, Corn Grater, Tur-	Winterbottom's Try and Mitre40&10% Nickel-Plated. New List Jan. 5,	Luikin's Steel and Metallic80@38165	H. & N65%
uip Shredder40%	1900,65&10@70%	Man Paraza	Newhouse
Kraut Cutters, 24x7, 26x6, 80x955% Kraut Cutters, 86x12, 40x13 40%	Steel and Iron	Tap Borers—	
Enterprise Mfg. Co	Staples-	See Borers, Tap.	MOUSE AND RAT-
Tucker & Dorsey: 1 Knife	Barbed Blind—14, 56, and 34 inch,	Taps—	Erie Rat 40@40&10%
2 Knives	₩ b814c.@9c.	American Screw Co.:	Hotchkiss: Metallic Mouse 505
Kraut Cutters	FENCE-	Machine Screw	Improved Rat
	Same price as Barb Wire. See Trade	Blacksmith 60@65&55 Machine Screw 70&10@7*\$	Mouse, Bonanza, & doz90c@\$1.00 Mouse, Catch-'em-alive, & doz.\$2.50, 15%
Sledges and Heavy Hammers-	Report.	Machinists' Hand #W/WYD 11/5.1(E.	Mouse, Delusion
See Hammers.	Stor Dellow	Pipe, 14 to 114	Mouse, Ideal, # gro\$9.00 Mouse, Round Wire, # doz\$1.00, 10%
	Stay Rollers— Cronk's, No. 5066344	•	Mouse, Wood, Choker, #doz. holes, 9@10c
Slicers—	" Nos. 55 and 5670&10*	Thumb Latches—	Marty French Rat and Mouse Traps (Genuine):
Vegetable, Enterprise25%	" No. 60	See Handles.	No. 1, Rat, each \$1.18, \$1 doz \$12.00
		•	No. 8, Rat, # doz., \$6.00; case of 50 5.26
Smiths' Bellows— See Bellows.	Steels—	Tinware-	No. 3½, Rat, % doz., \$4.75; case of 724.95
See Dellows.	Chatillon's 80%	Stamped, Japanned and Pieced, Net Prices.	No. 4. Mouse, 32 doz., \$83,50; case
Snaps, Harness, &c.—	Starter and Disc	Tire Bolts—	of 72
Anchor (T. & S. Mfg. Co.)	Stocks and Dies.	See Bolts.	Schnyler Ret Killer, No. 1, 39 gro
Cockeyes	BICYCLE— Holroyd & Co	See Borre.	\$15.00; No. 2, 7 gro \$15.90 Mouse, No. 3
Bolt45%	doiroya & co	Tobacco Cutters-	Smith & Egge Mfg. Co.: \$\pi\$ dos. Superior Rat Trap\$15.00
Bristol	BLACKSMITH'S-	National Specialty Co40	Yankee Mouse Trap 5.50
Clipper	Butterfield's	Enterprise Mfg. Co25@80%	Yankee Rat Trap 11.00
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Victor	Lightning Screw Plate	See Clippers.	Brade's Brick80%
Sargent's:	•	was Supposed	Disston's:
Patent Guarded 66% Covered Spring 50@55%	PIPE MAKERS-	Trammel Points-	Brick and Pointing
Covert Mfg. Co.: Breast Strap Buckle Snaps	Holroyd & Co	Backers and Tinion	Plastering
Breast Strap Protector	Stones—	C. E. Jeunings & Co., "Eureka" 25% Cook's	C. E. Jennings & Co.: Brick
Trojan Snaps	See Oilstones.	Sargent's	Plastering
High Grade Snaps		Tower & Lyon	Pointing 30% W. & McP. Plastering 25% Peace's Plastering 25625%
Derby Snaps	Stops—	Prentiss'20@25%	" Kose Blick' Lissanink and monid-
	See Bench Stops.	Manager for	ers
Snaths-	Store Door Handles-	Tracks, &c.—	The Anna Cities
Scythe40@45%	See Handles.	F. E. Myers & Bro.: Comb. Car, Double Steel T\$3.50	Vegetable Slicers—
	Stove Bolts-	Comb. Car, Wood Track 8.25 Common 6 in, Wood Sheave Pulley	Enterprise Mfg. Co25%
Soldering Irons—	See Bolts.	Fig. 488	Vices
Covert Mfg. Co 20%		Double Grapple Forkeach, 8.50	Vises— Solid Box40&10@50\$
	Stove Polish—	Double Rail Steel Track, complete with clamps	V. W. & W
Spoke Shaves—	See Polish, Stove.	Fig. 485₩ doz. 2.15	Fisher-Norrie 15&10% Armstrong's:
Bailey's (Stanley R. & L. Co.)50&10% Iron	Sweepers-	Faultless Steel Frame 6 in Plain Pulley, Fig. 485	Combination
Millers Falls	See Carpet Sweepers.	Finor Hooks 1/4 in # dox .70	Athol. Oval Slide
Seymour Smith & Sons, Iron20% Wm. Johnson's:	Tackle Blocks-	Floor Pulley, Wood Sheave, Fig. 486	Adams, Diamond40% Bonney's Champion40%
Wood, Best	See Blocks.	Hanging Hooks for Double Steel Track ₩ doz65	Fisher & Norris Double Screw15% Holland's40%
	Marker Day 1: Ac-	Hanging Hooks for Single Steel Track	Howard's
Spoons and Forks—	Tacks, Brads, &c.	Hanging Hooks for Wood Track.	Lowell Hand
Boardman's:	List Jan. 15, 1899. American Cut Tacks90&25s	10 in	Massey: 15@20s
Britannia Spoons, Catalogue "C" net, List	S. S. Cut Tacks	14 in	Clincher
Nickel Silver, Catalogue "C" net, List	American, Blued90&10&10&10% American, Tinned90&10&10&10%	Fig. 676	Planer
Dies			Como, a sporting



fillers Falls:	Wire Gauges-	Wrenches-	Boardman's
Mechanics' net@10% Oval Slide 50&10%	See Ganges.	Agricultural	Coes':
Ball Clamp		Alken's Pocket (Bright) \$2.00@\$8.20 Alligator 704	Genuine
Gravitynet	Wire and Wire Goods-	Baxter's60&10%	"Mechanics'"40&10&10&5&
Hand	Brass Wire20%	Bemis & Call's:	Coes' Pattern, Wrought Bar60&5@
henix881/4%	Bright Wire Goods, New List 85 & 10%	Briggs Pattern	Donohue's Engineer
rentiss20@25%	Cast Steel Wire50%	No. 8 Plpe, Bright50%	Eagle Pipe50&
argent's40% impson's Adjustable40%	Copper Wire	Patent Combination Black40&5%	Gem
tephens	Brass and Copper on Spools60%	Patent Combination Bright40% Bicycle:	Taylor Pipe and Nut
renton 40@40&5%	Spooled Wire, ass'd for Retailing 70%	Club	Acme
right's Pipe40%	Market Wire, Bright and Annealed:	Superior40%	Bull Dog
	Nos. 6 to 9	Featherweight40% Protection40%	Hercules J. H. Williams & Co
SAW PILERS	Nos. 19 to 26		
onney's No. 2, \$15.0040&10@50%	Nos. 27 to 36	PAINTS, OILS	AND COLORS.
incinnati	Coppered and Galvanized: Nos. 6 to 9	Oile-	Spirits Turpentine-
50@50&10%	Nos. 10 to 18		In regular bbls
tearns Rubber Jaw, Nos. 10 and 83,	Nos. 19 to 26	Linseed, City, Raw, in barrels, \$\pi\$ gal. 66c	In machine bbls
88½@40% 7entworth's40%	Nos. 27 to 86	Linseed, City, Boiled, in barrels,	IN machine const 48
entworth 5	Nos. 6 to 14	₩ gal. 68c	Dry Colors—
	Nos. 15 to 18	Out of Town on Spot	Pine Chinese
Wads-	Nos. 19 to 26	Calcutta, Raw, in barrels gal. 85c	Blue, Chinese
e Ammunition.	Picture Wire, List of Oct. 2, 1900	Lard, Prime City # gal. 72@74c	Blue, Prussian
	85@85&10 %	Extra, No. 1	Blue, Ultramarine 6 @30
Wagon Jacks-	Steel Music Wire, Nos. 12 to 30, Im-	No. 145@46c	Sienna, Italian, burnt &
-	ported	Delete and Calena	powdered 414@10
overt Mfg. Co.'s, Steel45% ane's Steel881/4&5%		Paints and Colors—	Sienna, Italian, raw &
made is Direction to the contract of the contr	Wire Clothes Lines-	Barytes, Foreign Floated, \$\text{\$\text{\$\text{ton}}\$,	powdered 8 @ 7
Washer Cutters-	See Lines.	\$20.00@\$91.00	Umber, Turkey, burnt 2146 81
	200 22200	Barytes, American Floated, \$\pi\$ ton,	Umber, Turkey, raw 314@ 85
tis A. Smith's	Wire Cloth, Netting, &c	\$19.00@\$30.00	Green, Chrome, Ordinary 5 @ 7
	Galvanized Wire Netting 80&10@80&20%	Barytes, Crude # ton 9.00@ 10.00	Green, Paris, in bulk15 @16
Well Wheels-	Painted Screen Cloth, good quality,	White Lead, American, Dry, in bbls.	Indian Red, American 21/40 8
apanned, 8 to 14 inches	₩ 100 sq. ft. \$1.00@1.10	₩ b. 6@614°	Indian Red, English 414@ 89
		White Lead, American, in Oil, in lots	Colors in Oil-
Weed Extractors—	Wire Rope-	of less than 500 hs	Black Lampblack, best, 18 @15
Pastime ** # doz. \$1.75 net	New List July 1, 1899.	In lots of 500 hs. and over? h. 614c	Black Lampblack, common. 8 @10
2021 4110 200	Cast Steel	White Lead, Foreign, in Oil. \$ 5. 8@914c	Blue, Chinese
Window Cleaners-	Iron, Galvanized	Litharge, Kegs \$ b. 61/207c	Blue, Prussian
		Zinc, American, Dry B. 41/4@51/4c	Blue, Ultramarine 14 @18
arnes Mfg. Co	Wire Rope Clips-	Putty—	Sienna, burnt
	Crosby	In bulk\$1.90	Sienna. raw
Window Stop Adjusters-	and a second sec	In bladders 2.40	Umber, burnt 11 @18
	Wire Stretchers-	In cans, 50 b 2.00	Umber, raw
ves' New List	W. C. Heller's Grip # doz. \$1.50	In cans, 25 lb	Brown, Vandyke

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John H. Graham & Co., New York. Sargent & Co., New York.

Bells, Electric.

See Electric Bells and Supplies.

Belt Dressing.

Jos. Dixon Crucible Co., Jersey City,

Belt Shifters.

Chandler & Farguhar, Boston,

Belting.

Ames Sword Co., Chicopee, Mass.

Bench Punches.

Chandler & Farguhar, Boston.

Bench Shears.

Chandler & Farquhar, Boston.

Bench Stops.

Charles Morrill, New York. Smith & Hemenway Co., New York.

Bench Vises.

Howard Iron Works, Buffalo, N. Y. Tower & Lyon, New York.

Bicycles.

J. Stevens Arms & Tool Co., Chicopee Falls, Mass.

Bicycle Coaster and Brake. John H. Graham & Co., New York.

Bicycle Parts.

J. Stevens Arms & Tool Co., Chicopee Falls, Mass.

Bicycle Stands.

John H. Graham & Co., New York. F. E. Myers & Bro., Ashland, Ohio.

Bicycle Sundries.

Oushman & Denison, New York.
Dunbar Bros., Bristol, Conn.
John H. Graham & Ce., New York.
Harrington & Richardson Arms Co.,
Worcester, Mass.
Lane Bros. Co., Poughkeepsie, N. Y.
Remington Arms Co., New York.
Rider Saddle Co., Detroit, Mich.
Smith & Egge Mfg. Co., Bridgeport,
Conn. Conn. Edwin B. Stimpson & Son, New York.

Alfred Field & Co., New York. C. E. Jennings & Co., New York. Russell Jennings Mfg. Co., Deep River, Conn. Sargent & Co., New York. Smith & Hemenway Co., New York.

Blacksmiths' Vises.

John H. Graham & Co., New York. Tower & Lyon, New York.

Blocks, Tackle.

See Tackle Blocks.

Bolt and Screw Cases. J. D. Warren Mfg. Co., Chicago.

Bolts, Expansive, etc.

Columbus Bolt Works, Columbus, O. D. C. Seaman & Co., Philadelphia.

Boring Machines.

Fox Machine Co., Grand Rapids, Mich. C. E. Jennings & Co., New York.

Box Catches, Fancy.

Brass Goods Mfg. Co., Brooklyn, N.Y.

Box and Chest Corners.

Brass Goods Mfg. Co., Brooklyn, N.Y.

Box Hasps and Hinges. Cary Mfg. Co., New York.

Box Openers.

Smith & Hemenway Co., New York.

Box Straps.

Cary Mfg. Co., New York.

Braces, Carpenters'.

John H. Graham & Co., New York. C. E. Jennings & Co., New York. Sargent & Co., New York.

Brackets, Shelf.

Atlas Mfg. Co., New Haven, Conn. Sargent & Co., New York.

Brands, Burning.

Schwerdtle Stamp Co., Bridgeport,

Brass and Composition Castings. Magnolia Metal Co., New York.

Bridge Rods.

Columbus Bolt Works, Columbus, O.

Builders' Hardware.

Champion Safety Lock Co., Cleve-Champion Safety Lock Co., Cleve-land, O. W. & E. T. Fitch Co., New Haven, Conn. John H. Graham & Co., New York. Hobart B. Ives & Co., New Haven, Sargent & Co., New York.

Bungs.

John Sommer's Son, Newark, N. J.

Butcher Knives, Tools and Steels. John Chatillon & Sons, New York. Goodell Co., Antrim, N. H. E. Hartzell Cutlery Co., Gettysburg,

Pa. Silver Mfg. Co., Salem, Ohio. Smith & Hemenway Co., New York.

Butchers' Scales.

John Chatillon & Sons, New York. Osgood Scale Co., Binghamton, N. Y.

Butta, Door.

Bommer Bros., Brooklyn, N. Y. McKinney Mfg. Co., Allegheny, Pa. Sargent & Co., New York.

Butts, Spring.

Bommer Bros., Brooklyn, N. Y. Niles Mfg. Co., Chicago. Sargent & Co., New York.

Cabinets, Bolt.

J. D. Warren Mfg. Co., Chicago, Ill.

Cabinets, Hardward

J. D. Warren Mfg. Co., Chicago, Ill.

Calipers.

Alfred Field & Co., New York. C. E. Jennings & Co., New York. J. Stevens Arms and Tool Co., Chicopee Falls, Mass.

Can Openers.

John H. Graham & Co., New York. Chas. F. Hopper, Germantown, Pa. Sargent & Co., New York. Smith & Hemenway Co., New York.

Carpet Sweepers.

National Sweeper Co., Marion, Ind.

Car Sealers.

Charles Morrill, New York.

Carpenters' Pencils.

Joseph Dixon Crucible Co., Jersey City, N. J.

Carriage Makers' Tools.

Silver Mfg. Co., Salem, Ohio. Carriers, Hay.

F. E. Myers & Bro., Ashland, Ohio.

Cash Registers. Standard Cash Register Co., Wabash,

Cash Register Paper.

Standard Cash Register Co., Wabash, Ind.

Casters, Bed and Plate.

Sargent & Co., New York. Standard Caster & Wheel Co., New York, N. Y.

Catalogue Case.

J. D. Warren Mfg. Co., Chicago, Ill.

Caulking Mallets.

N. Y. Mallet & Handle Works, New York, N. Y.

Cement, Rubber and Leather. Tower & Lyon, New York.

Covert Mfg. Co., West Troy, N. Y. Fuller Bros., New York.

Chains, Cow.

Covert Mfg. Co., West Troy, N. Y.

Chains, Sash.

Smith & Egge Mfg. Co., Bridgeport, Conn.

Chain Blocks.

Burr Mfg. Co., Cleveland, O.

Chalk Lines.

Samson Cordage Works, Boston,

Checks, Brass. Schwerdtle Stamp Co., Bridgeport, Conn.

Chemicals.

Harrison Bros. & Co., Inc., New York, Philadelphia, Chicago.

Cherry Stoners Enterprise Mfg. Co. of Pa., Philladelphia. Goodell & Co., Antrim, N. H.

Chisels, Firmer

Alfred Field & Co., New York. C. E. Jennings & Co., New York. Sargent & Co., New York. Tower & Lyon, New York.

Chucks.

North Bros. Mfg. Co., Phila., Pa. Smith & Egge Mfg. Co., Bridgeport, Conn.

Cleavers. John Chatillon & Sons, New York. Goodell Company, Antrim, N. H.

Clippers, Horse and Barbers'. American Shearer Mfg. Co., Nashua, N. H. Coates Clipper Mfg. Co., Worcester, Mass. Alfred Field & Co., New York. John H. Graham & Co., New York.

Closet Pulls. Smith & Egge Mfg. Co., Bridgeport, Conn.

Clothes Bars.

A. J. Phillips Co., Fenton, Mich!

Clothes Lines. Samson Cordage Works, Boston Mass.

Coal Screens. Gilbert & Bennett Mfg. Co., New York, Chicago.

Coat, Hat and Ceiling Hooks. Atlas Mfg. Co., New Haven, Coma. Brass Goods Mfg. Co., Brooklyn, N.Y. John H. Graham & Co., New York. Sargent & Co., New York.

Coke Forks. Geneva Teol Co., Geneva, O.

Conductor Pipe.

American Steel Roofing Co., Middle-town, Ohio. Bruce & Cook, New York.

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Copper, Sheet ice & Cook, New York

Cordage and Twines. Sameon Cordage Works, Boston.

Cork Pullers. Enterprise Mfg. Co. of Pa., Phila-delphia. Erie Specialty Co., Erie, Pa.

Corkscrews

Alfred Field & Co., New York.

Eric Specialty Co., Eric. Pa.

Smith & Hemenway Co., New York.

Williamson W. N. Co., Newark, N. J.

Corn Hooks. Geneva Tool Co., Geneva, O.

Corn Shellers. J. W. Dunham & Son, Berea, O.

Counterfeit Detectors, Pelouze Scale & Mfg. Co., Chicago.

Counters, Hardward J. D. Warren Mfg. Co., Chicago, Ill.

Counters, Nail Bin.

J. D. Warren Mfg. Co., Chicago, Ill. Countersinks.

C. E. Jennings & Co., New York. Smith & Hemenway Co., New York.

Cover Lifters, Stove. Troy Nickel Works, Albany, N. Y.

Cravons.

Joseph Dixon Crucible Co., Jersey City, N. J.

Curled Hair.

Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Curry Combs.

W. & E. T. Fitch Co., Conn. John H. Graham & Co., New York. & E. T. Fitch Co., New Haven.

Cutlery, Pocket. John Chatillon & Sons, New York.
Jackson Knife & Shear Co.,
Fremont, O.
Jos. Rodgers & Sons, Sheffield, Rng.
Voigt, Starr & Co., New York.

Cutlery, Table.

Alfred Field & Co., New York, Goodell Co., Antrim, N. H. Jos. Rodgers & Sons, Sheffield, Eng-land. E. H. H. Smith, New York, N. Y.

Cutlery Specialties. Smith & Hemenway Co., New York.

.Cutters, Fodder. Silver Mfg. Co., Salem. Ohio.

Cutters, Pipe. H. F. Livermore, Boston, Mass.

Cutters, Rod. Chandler & Farquhar, Boston

Cutters, Wire. Bridgeport Mfg. Co., Bridgeport,

Cutting Pliers.

Bridgeport Mfg. Co., Bridgeport, Conn. Cronk & Carrier Mfg. Co., Elmira, N. Y. Charles Morrill, New York.

Dairy Scales. Osgood Scale Co., Binghamton, N.Y.

Dies, Steel. Schwerdtle Stamp Co., Bridgeport,

Discount Books. Hardware Publishing Co., New York.

Dog Collars and Muzzles Alfred Field & Co., New York.
Tower & Lyon, New York.
Union Hardware Co., Torrington,
Conn.

Door Checks and Springs. Jos. Bardsley, New York. Ogden Mfg. Co., Newark, N. J. Sargent & Co., New York.

Door Holders. Caldwell Mfg. Co., Rochester, N. Y. Door Springs. Sargent & Co., New York

Dormant Scales.

Osgood Scale Co., Binghamton, N. Y.

Drawers, Hardware. J. D. Warren Mfg. Co., Chicago, Iil.

Drawing Instruments. C. E. Jennings & Co., New York. Keuffel & Esser Co., New York. Sargent & Co., New York.

Drawing Knives.
Tower & Lyon, New York.

Drills, Bench. Chandler & Farquhar, Boston, Mass. Silver Mrg. Co., Salem, Ohio. (See Twist Drills.)

Drills, Hand. Duff Machine Co., Lowell. Mass.

Drilling Attachments. Silver Mfg. Co., Salem, Ohio.

Drills, Blacksmiths', Etc. Sargent & Co., New York. Silver Mfg. Co., Salem, Ohio.

Silver Mfg. Co , Salem, Ohio.

Dumb Waiters. Kimbalı Bros. Co., Council Bluffs, lows

Duplicators.

Felix F. Daus Duplicator Co., New York.

Electric Bells and Supplies. John H. Graham & Co., New York. Smith & Hemenway Co., New York.

Elevator Enclosures and Cars J. E. Bolles Iron and Wire Works, Detroit, Mich.

Kiniball Bros. Co., Council Bluffs,

Emery and Garnet Paper.

Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Enameled Bath Tubs. Colwell Lead Co., New York.

Standard Engraving Co., New York.

Ensilage Cutters. Silver Mfg. Co., Salem, Ohio.

Envelope and Stamp Lubrica-Pelouze Scale & Mfg. Co., Chicago.

Escutcheons and Push Plates. Brass Goods Mfg. Co., Brooklyn, N.Y. Sargent & Co., New York.

Expansion Bolts. D. C. Seaman & Co., Philadelphia.

Export Agents.

John H. Graham & Co., New York. Eyelets and Eyelet Sets.

Eyelet Tool Co., Boston, Mass.

Farming Tools.

Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madison, Iowa.

Faucets, Metal.

John H. Graham & Co., New York. Smith & Hemenway Co., New York.

Faucets, Wood.

John Sommer's Son, Newark, N. J.

Fence Machines.

Superior Fence Machine Co., Detroit, Mich. Torrent Pump & Fence Co., Cleve-land, O.

Fences, Wire and Iron.

W. J. Adam, Joliet, Ill.
J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Clinton Wire Cloth Co., Clinton, Mass.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland,
Ohio.

Field Hoes.

Geneva Tool Co., Geneva, O.

Files

G. & H. Barnett Co., Philadelphia. Alfred Field & Co., New York. Hayes File Co., Detroit, Mich. Mayer & Co., Philadelphia, Pa. Nicholson File Co., Providence, R. 1.

Champion Safety Lock Co., Cleveland, O.
Fulper Pottery Co., Flemington, N.J.

Fire Arms.

Alfred Field & Co., New York.
Harrington & Richardson Arms Co.,
Worcester, Mass.
Remington Arms Co., New York.
J. Stevens Arms & Tool Co., Chicopee
Falls, Mass.

Fishing Floats.

Enterprise Mfg. Co., Akron, Ohio. J. M. Mast Mfg. Co., Lancaster, Pa.

Fishing Tackle. Enterprise Mfg. Co., Akron, O.

Fiat Ware. See Plated Ware.

Floor Plates

Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

Flower Pot Stands.

Gilbert & Bennett Mfg. Co., New York and Chicago.

Fodder Cutters. Silver Mfg. Co., Salem, Ohio.

Food Choppers.

Enterprise Mfg. Co. of Pa., Phila., Pa. Sargent & Co., New York, and New Haven, Conn.

Forgings, Carriage.

Columbus Bolt Works, Columbus, O.

Foundry Riddles.

Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys. Fox Machine Co..Grand Rapids, Mich. Sargent & Co., New York.

Fruit Presses.

Enterprise Mfg. Co. of Pa., Philadelphia.

Furnace Shovels. Geneva Tool Co., Geneva, Ohio.

Garden Hoes. Geneva Tool Co., Geneva, O.

Garden Tools.

Alfred Field & Co., New York. Geneva Tool Co., Geneva, O.

Gasfitters' Supplies.

Colwell Lead Co., New York.

Gasoline Lamps.

Argand Vapor Lamp Co., Detroit, Mich. Imperial Gas Lamp Co., Chicago, Ill.

Gas Pilers

Cronk & Carrier Mfg. Co., Elmira, N. Y. Smith & Hemenway Co., New York.

Favorite Novelty Co., Detroit, Mich.

Gauges, Butt.

Stanley Rule and Level Co., New York.

Glass Cutters.

John Byrnes, New York. Smith & Hemenway Co., New York.

Allerton-Clarke Co., New York.
Baeder, Adamson & Co., New York,
Philadelphia, Boston and Chicago.
N. Y. Calinet Glue Works, New York.
Tower & Lyon, New York.

Graphite.

Joseph Dixon Crucible Co., Jersey City, N. J.

Grass Hooks.

Iowa Farming Tool Co., Ft. Madison, Ia.

Grindstones.

Cleveland Stone Co., Cleveland.

Gummers, Saw.

E. C. Atkins & Co., Indianapolis, Ind.

Gunpowder.

Tower & Lyon, New York.

Gun Implements.

Remington Arms Co., New York. Union Hardware Co., Torrington, Conn.

Hair Felting.

Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Halter Chains.

Covert Mfg. Co., West Troy, N. Y.

Halters, Web and Rope.

Covert Mfg. Co., West Troy, N. Y.

Hammers. John H. Graham & Co., New York.
Arthur R. Robertson, Boston, Mass.
Sargent & Co., New York.
Smith & Hemenway Co., New York.
Stanley Rule and Level Co., New
York.

The Scranton & Co., New Haven, Conn.

Handles, Tool.

Berger Bros. Co., Philadelphia. Geneva Tool Co., Geneva, O. N. Y. Mallet & Handle Works, New York, N. Y.

Hangers, Coat and Hat.

Cronk & Carrier Mfg. Co., Elmira, N. Y.

Hangers, Pipe.

Berger Bros. Co., Philadelphia.

Hangers, Barn Door. Cronk & Carrier Mfg. Co., Elmira, N.Y. John H. Graham & Co., New York, Lane Bros. Co., Poughkeepsie, N. Y. McKinney Mfg. Co., Alleghany, Pa.

Hangers, Joist and Wall.

National Iron & Wire Co., Cleveland, Van Dorn Iron Works Co., Cleveland, Ohio.

Hangers, Parlor Door. John H. Graham & Co., New York, Lane Bros. Co., Poughkeepsie, N. Y. Sargent & Co., New York.

Hardware Cabinets.

J. D. Warren Mfg. Co., Chicago, Ill.

Hardware Cases.

J. D. Warren Mfg. Co., Chicago, Ill. Hardware Mfrs' Agents, Etc. John H. Graham & Co, New York. Robert Murray, New York.

Hardware Shelving.

J. D. Warren Mfg. Co., Chicago, Ill. Hardware Specialties.

Clark & Cowles, Plainville, Conn.
Enterprise Mfg. Co. of Pa., Philedelphia.
Alfred Field & Co., New York.
Charles Morrill, New York.
Robert Murray, New York.
Sargent & Co., New York.
Smith & Hemenway Co., New York.

Harness Dressing.

Frank Miller Co., New York, N. Y.

Harness Snaps.

Covert Mfg. Co., West Troy, N. Y. W. & E. T. Fitch Co., New Haven, Conn.
Sargent & Co., New York.

Hasps and Staples.

McKinney Mfg. Co., Allegheny, Pa.

Hay Carrying Tools.

Janesville Hay Tool Co., Chicago, Ili. F. R. Myers & Bro., Ashland, Ohio.

Ashtabula Tool Co., Ashtabula, O. Geneva, O. Geneva, Co., Geneva, O. Iowa Farming Tool Co., Fort Madison, Ia Janesville Hay Tool Co., Chicago, Ill. Willoughby, Fork & Mfg. Co., Willoughby, O.

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Hay Forks.

Hay Knives.

Iwan Bros., Streator, Ill.

Hay Slings.

Janesville Hay Tool Co., Chicago, Ill.

aters, Oil.

Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Hinges.

Clark Mfg. Co., Buffalo, N. Y. McKinney Mfg. Co., Allegheny, Pa. Niles Mfg. Co., Chicago. Sargent & Co., New York.

Hinges, Blind.

R. P. Whipple & Co., Springfield,

Hinges, Shutter.

Clark Mfg. Co., Buffalo, N. Y.

Hinges, Spring.

Bommer Bros., Brooklyn, N. Y. Niles Mfg. Co., Chicago. Sargent & Co., New York.

Hinges, Trunk, Box and Door. Brass Goods Mfg. Co., Brooklyn, N.Y.

Hoisting Machinery.

Burr Mfg. Co., Cleveland, Ohio. Kimbail Bros. Co., Council Bluffs, Ia.

Hones, Bazor.

Alfred Field & Co., New York. Smith & Hemenway Co., New York.

Berger Bros. Co., Philadelphia. John H. Graham & Co., New York. Sargent & Co., New York.

Horse and Cattle Ties. Covert Mfg. Co., West Troy, N. Y.

Horse Nails.

Ausable Horse Nail Co., New York. Capewell Horse Nail Co., Hartford, Conn.

Horse Rasps.

G. & H. Barnett Co., Phila., Pa. Nicholson File Co., Providence, R. I.

Hose Menders.

John H. Graham & Co., New York.

Hose Pipe.

F. R. Myers & Bro., Ashland, Ohio.

Hose, Rubber.

F. E. Myers & Bro., Ashland, Ohio.

Ice Balances.

John Chatillon & Sons, New York. Pelouze Scale & Mfg. Co., Chicago.

Ice Cream Freezers.

John H. Graham & Co., New York, North Bros. Mfg. Co., Philadelphia. Tower & Lyon, New York.

Ice Chisels.

John Chatillon & Sons, New York. Iowa Farming Tool Co., Ft. Madison, Iowa.

Ice Creepers.

Edwin B. Stimpson & Son, New York. Tower & Lyon, New York. Union Hardware Co., Torrington,

Ice Harvesting Implements.

Wm. T. Wood & Co., Arlington, Mass.

Ice Picks.

John Chatillon & Sons, New York. Erie Specialty Co.. Erie, Pa. C. E. Jennings & Co., New York Wm. T.Wcod & Co., Arlington, Mass.

John Chatillon & Sons, New York. Brie Specialty Co., Erie, Pa. Smith & Hemenway Co., New York. Wm. T. Wood & Co., Arlington, Mass.

Iron, Sheet.

Bruce & Cook, New York.

Aron Fences

Enterpise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleve-land, Ohio.

Iron Pipe.

Colwell Lead Co., New York.

Iron Work.

J. E. Bolles Iron and Wire Works, Detroit, Mich. Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleveland, Ohio.

Jack Chains.

Smith & Egge Mfg. Co., Bridgeport, Conn.

Kitchen Specialties.

Crescent Mfg. Co., Fremont, O.

Ladders.

Berger Bros. Co., Philadelphia. Lane Bros. Co., Poughkeepsie, N. Y F. E. Myers & Bro., Ashland, Ohio

Lamps, Bicycle.

John H. Graham & Co., New York. Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Lamps, Hydro-Carbon.

Welsbach Co., Gloucester, N. J.

Lard Presses.

Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Fences.

W. J. Adam, Joliet, Ill.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland,
Ohio.

Lawn Mowers.

Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Rakes.

Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Ft. Madison, Ia.

Lawn Sprinklers.

Smith & Hemenway Co., New York.

Lawn Tools.

Geneva Tool Co., Geneva, O.

Bruce & Cook, New York. Colwell Lead Co., New York.

Lead Pencils.

Joseph Dixon Crucible Co., Jersey City, N. J.

Lead Pipe.

Colwell Lead Co., New York.

Lemon Squeezers.

Berger Bros. Co., Philadelphia. Krie Specialty Co., Erie, Pa. John H. Graham & Co., New York. Smith & Hemenway Co., New York. John Sommer's Son, Newark, N. J.

Stanley Rule & Level Co., New York. Tower & Lyon, New York.

Locks and Knob

Brass Goods Mfg. Co., Brooklyn, N.Y. John H. Graham & Co., New York. Sargent & Co., New York and New Haven, Conn.

G. W. Cole Co., New York City. Joseph Dixon Crucible Co., New York and Jersey City, N. J.

Luminous Bait.

Enterprise Mfg. Co., Akron, O.

Magnolia Metal.

Magnolia Matal Co., New York.

Bruce & Cook, New York. N. Y. Mallet & Handle Works, New York, N. Y. John Sommer's Son, Newark, N. J. John Sommer's Son, Newark, N. J. Stanley Rule and Level Co., New York. Tower & Lyon, New York. Union Hdw. Co., Torrington, Conn.

Manure Forks.

Geneva Tool Co., Geneva, O.

Manure Hooks.

Geneva Tool Co., Geneva, O.

Masons' Lines.

Samson Cordage Works, Boston.

Measuring Pumps.

Enterprise Mfg. Co. of Pa., Philadelphia.

Measuring Tapes.

Alfred Field & Co., New York. John H. Graham & Co., New York. Keuffel & Esser, New York.

Meat Choppers.

John Chatillon & Sons, New York. Enterprise Mfg. Co. of Pa., Philadelphia.

John H. Graham & Co., New York.

Smith & Hemenway Co., New York.

Meat Cutters

Enterprise Mfg. Co. of Pa., Philadelphia. John H. Graham & Co., New York. Sargent & Co., New York.

Metallic Paint.

L. D. Berger, Philadelphia. Bruce & Cook, New York.

Mills, Coffee and Spice.

John Chatillon & Sons, New York. Enterprise Mfg. Co. of Pa., Phila-delphia.

Mills, Drug.

Enterprise Mfg. Co. of Pa., Philadelphia.

Mincing Knives.

Enterprise Mfg. Co. of Pa., Phila-delphia. John H. Graham & Co., New York. Smith & Hemenway Co., New York.

Mitre Boxes.

C. E. Jennings & Co., New York. Smith & Hemenway Co., New York.

Mowing Machine Oilers.

Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

Nails.

Bruce & Cook, New York. Fuller Bros. & Co., New York. Chas. J. Stebbins & Co., New York.

Nail Pullers.

Bridgeport Mfg. Co., Bridgeport, Conn.
Smith & Hemenway Co., New York.
The Scranton & Co., New Haven, Conn. Tower & Lyon, New York.

Nail Sets.

John H. Graham & Co., New York. C. E. Jennings & Co., New York.

Alfred Field & Co., New York.

Nippers.

Alfred Field & Co., New York. Charles Morrill. New York. Smith & Hemenway Co., New York. Utica Drop Forge & Tool Co., New York.

Atlas Bolt and Screw Co., Cleveland, Ohio. Columbus Bolt Works, Columbus, O.

Office Bailings.

J. E. Bolles Iron and Wire Works, Detroit, Mich. Gilbert & Bennett Mfg. Co., New York and Chicago.

Cushman & Denison, New York. Tower & Lyon, New York. Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

Oil Heaters.

Pinme & Atwood Mfg. Co., New York, Boston and Chicago.

Ornamental Iron Work.

Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleve-land, Ohio.

Padlocks.

Ames Sword Co., Chicopee, Mass. Alfred Field & Co., New York. John H. Graham & Co., New York. Smith & Egge Mfg. Co., Bridgeport, Tower & Lyon, New York.

Paints.

L. D. Berger, Philadelphia. Bruce & Cook, New York. Jos. Dixon Crucible Co., Jersey City, N. J.

Paper Clips.

Cushman & Denison, New York.

Paradigm Skylights. Arthur E. Rendle, New York.

Patents.

Davis & Davis, New York.

Pencils.

Joseph Dixon Crucible Co., Jersey City, N. J.

Pig Lead.

Colwell Lead Co., New York.

Pig Tin. Colwell Lead Co., New York.

Pipe Cutters. Armstrong Mfg. Co., Bridgeport, Conn. Alfred Field & Co., New York. Trimont Mfg. Co., Roxbury, Mass.

Pipe Straps.

Berger Bros. Co., Philadelphia. Bruce & Cook, New York. Smith & Egge Mfg. Co., Bridgeport, Conn.

Pipe Threading Machines.

Armstrong Mfg. Co., Bridgeport, Conn.

Pipe Vises. Armstrong Mfg. Co., Bridgeport, Conn. Howard Iron Works, Buffalo, N. Y. Tower & Lyon, New York.

J. Stevens Arms & Tool Co., Chicopee Falls, Mass.

C. E. Jennings & Co., New York.
Sargent & Co., New York.
Stanley Rule and Level Co., New
York.
Tower & Lyon, New York.

Plated Ware.

M. S. Benedict Mfg. Co., E. Syracuse, N. Y. Luther Boardman & Son, East Had-dam, Conn. Aifred Field & Co., New York.

Schwerdtle Stamp Co., Bridgeport,

Plates, Machinery.

Pliers, Fencing. Cronk & Carrier Mfg. Co., Elmira, N.Y. Alfred Field & Co., New York. Smith & Hemenway Co., New York. Utica Drop Forge & Tool Co., New York.

Plumbers' Supplies.

L. D. Berger, Philadelphia, Pa. Berger Brus. Co. Philadelphia, Pa. Bruce & Cook. New York. Colwell Lead Co., New York. Smith & Egge Mfg. Co., Bridgeport,

Pocket Cutlery.

John Chatillon & Sons, New York.
Alfred Field & Co., New York.
Jackson Knife & Shear Co.,
Fremont, O.

Police Equipments.

Tower & Lyon, New York.

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Polish, Stove.

Joseph Dixon Crucible Co., Jersey City, N. J.

Post Hole Augers.

Iwan Bros., Streator, Ill.

Post Hole Diggers.

John H Graham & Co., New York. Iwan Bros., Streator, Ill.

Potato Hooks Geneva Tool Co., Geneva, O.

Poultry Netting.

Clinton Wire Cloth Co., Clinton, Mass.
Glibert & Bennett Mfg. Co., New York, Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.

Power Hammers.

The Scranton & Co., New Haven,

Price Books.

Hardware Publishing Co., New York.

Pruning Shears

Cronk & Carrier Mfg. Co., Elmira, Smith & Hemenway Co., New York.

Pulleys, Hoisting.

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Vol. XXIV, No. 4

New York, November 25, 1901.

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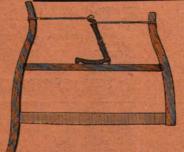
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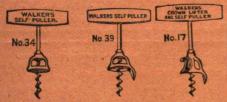
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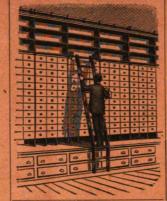
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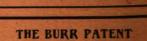
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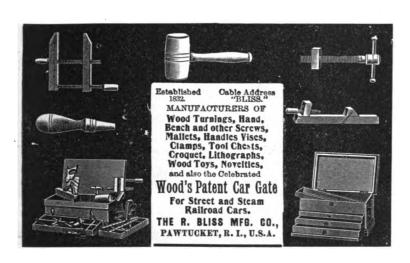
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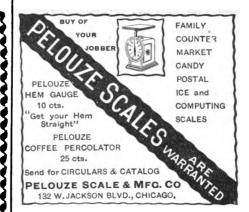
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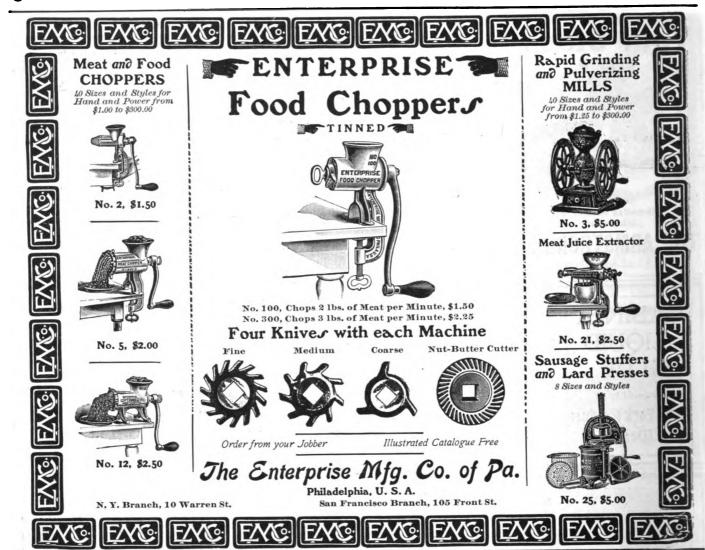
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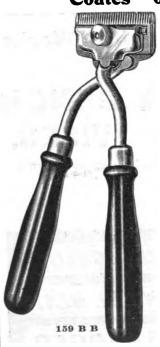


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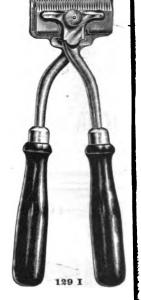
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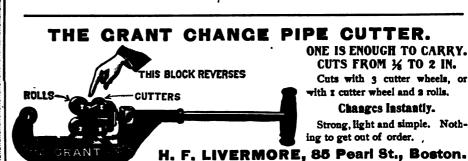
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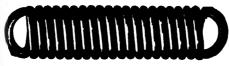
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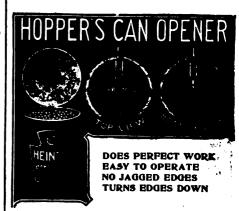




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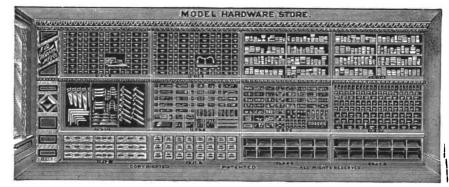
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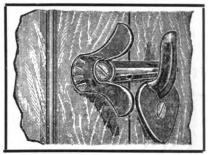


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Fits any window, fits it closer than a screen made to order and looks just as well, though it costs only half as much.

The dealer who expects a profitable screen business next season, cannot afford to be without the VERMONT.

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Porter Screens are the Best Made

The Vermont is the best Porter Screen.

Write for our new catalogue of screens for doors and windows. It contains many new designs.

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93 Chambers and 75 Reade Streets, New York. Importers of

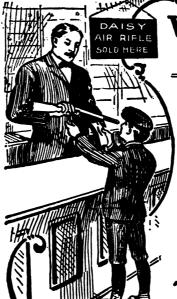
HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

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IOSEPH RODGERS & SONS, LIMITED, BEST CUTLERY IN THE WORLD, PEUGEOT FRERES, COATES CLIPPER MFG. CO. ELEY BROS., LIMITED, L. HUGONIOT TISSOT. ISAAC GREAVES, W. K. & C. PEACE, R. & J. LINACRE, WEBSTER & HORSFALL, CAPS, WADS, CARTRIDGE CASES, ETC.
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PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

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Proprietors of the following brands of Cutlery.

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY Co., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.,



Win the Boys and Win Business

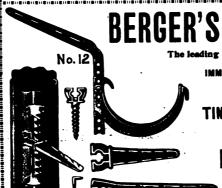
The DAISY and SENTINEL AIR RIFLES will do both.

Thev-They are safe and accurate to a hair. are simple, strong and handsome. They shoot either B. B. shot or darts. They are put together to stay together-with pistol grip, peep sights, nickel finish and polished walnut stocks.

> The Rifles will please the Boys The profits will please YOU.

A postal will bring booklet telling all about them. All first-class jobbers sell them.

The Daisy Mfg. Co. Plymouth, Mich.



HANGERS.

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IMMENSE STOCK AND VARIETY.

Ask for Samples and Catalog of our

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BERGER BROS. CO. Manufacturers,

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THE MOST durable, flexible and pliable mat made. It is reversible, cannot warp or curl at the sides or edges, and adapts itself to unequal surfaces. It always lies flat.

THE KEYSTONE STEEL MAT

THE KIND YOU CAN SELL

Samples Furnished on Application & & Liberal Discounts to the Trade

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H. J. KENDRICKS, Manager.



The Model Stove Truck is out of sight when under a stove.



Is all steel, has only one adjustment, is practically indestructible.

We offer to take back and refund money if, after a month's trial, the Model is not satisfactory.

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The S. M. HOWES COMPANY, Boston, Mass.

The Acme of Perfection is the "Challenge" Stove Drum.

The Only Product on the Market which can be Thoroughly Cleaned from Top to Bottom Without Removing the Stove Pipe and Soiling the Flooring.

Soot Being a Non-conductor of Heat, the Drum Must be Thoroughly Clean to get the Best Results.

THIS THOROUGH CLEANLINESS ONLY BEING POSSIBLE IN THE "CHALLENGE,"

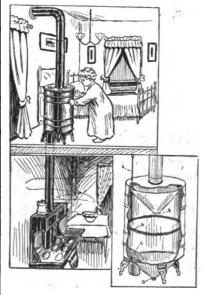


Fig. A. Coil Scraper for cleaning sides and

Fig. E. Rod by which Scraper is operated. Fig. B. Opening in upper cone to release accumulated ashes and soot.

Fig. C. Shield to prevent ashes and soot from falling into the stove pipe below.

Fig. D. Screw cap opening at bottom of lower cone for the release of all ashes and

In all the old style drums it is necessary to first take down the pipe and drum to clean it, making endless soot and dirt. The "Challenge" overcomes this difficulty in a very simple manner. The bottom of the drum is shaped conical, with a screw cap at its lowest point. (Fig. D) A wire coil or scraper, (Fig. A), extends around the drum on the inside in a circle with a rod, (Fig. E) attached, extending through the top. To clean, it is only necessary to put a pan under the drum, push the rod up and down a few times, which scrapes all the soot from the sides and top, and allows it to fall to the center of the cone-shaped bottom. Then remove the screw cap, (Fig. D), and the soot and ashes all fall into the pan placed to catch it.

Any practical stove man knows that the soot on the sides of the drum cannot be removed without being scraped off. The only soot and ashes removed by other cleanouts is what might fall to the bottom and it would not be necessary to remove this at all, as a drum never heats from the bottom, but from the sides and top.

We guarantee that this drum will heat more than double the amount of space heated by any other drum.

We have an interesting proposition to make dealers.

Write for particulars to-day as our offer cannot be held out very long. Manufactured only by

WESTERN TIN AND JAPAN MFG. CO.,

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Arranged by R. R. WILLIAMS, Hardware Editor of The Iron Age.

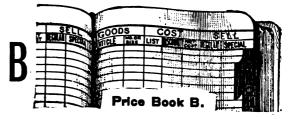
These Price Books are made in a variety of sizes and styles adapted to pocket, store or desk use, and are specially arranged to meet the requirements of the Hardware and Metal trades. They are printed on paper of superior quality and bound in grain seal leather.



Columns are provided for the name and number or size of goods, for noting from whom purchased, date of quotation or purchase, list and discount, and for entering freight expenses. Under the heading of selling prices, the regular and any special price or remarks in regard to the goods are given place. Size of page, 4 x 7 inches.

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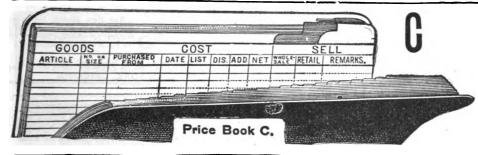
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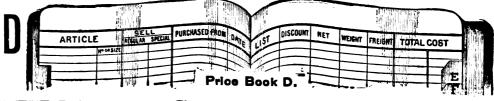
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Suitable for desk and store use, and for salesmen on the road. A number of pages at the back of the book are arranged for memoranda. Page, 5x8 inches

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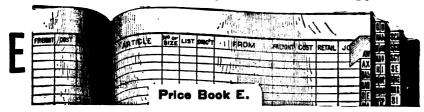


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A special feature of these books is the index, which is arranged with special reference to the classification of Hardware Goods, each index character giving the first two or three letters of the names of Hardware articles. There is an index character to every page, enabling immediate reference to any of the contents of the book. The ease and convenience with which the books can be used is indicated in the following examples, taken from Book F:

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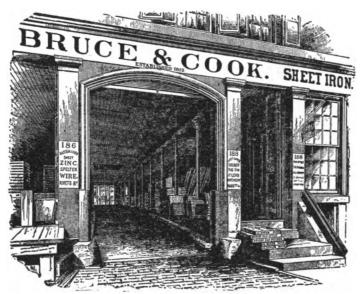
BRUGE & GOOK,

TIN PLATES AND METALS.

186, 188 and 190 WATER STREET, 348 and 250 PEARL STREET, . . .

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment. . .



Babbit Metal. Boiler Rods. Burritt's D'ble Seamer. Copper Bottoms. Copper Circles. Copper Ingot. Copper Sheets. Copper Wire. Corrugated Leader. Cor. Bibows and Saces. Dampers. Rave Trough Bave Trough Galvan'd. Bave Trough Mitres. Bave Trough Irons. Ribows-Stove Pipe. Ribows-Adjustable. Pire Pots.

Gutter, Wide Roof. Gutter Strainers. Hard Metal. Kettle Bars. Lead-Bar and Pig. Leader Hooks. Mallets. Metal Lath Metallic Paint. Nails-Rooding Tin Nails -- Wire Roofing. Nails -- Wire R'g Tinned Pail Woods. Perforated Tin. Ribbed Leader. Roofing Tin Plates.

Rosin. Sheathing Paper. Sheet Iron-Char. Cl'd. et Iron-Cold Rol'd. Sheet'Iron-Com. Cl'd. Sheet Iron--Corrugate Sheet Iron-Galvanised Sheet Iron-Planished. beet Iron-Russia. Soldering Coppers. Speiter. Speiter Solder. Squaring Shears. Store Boards Stove Pipe. re Pipe Collars. Strainer Wire Cloth

Taggers Iron Taggers Tin. Terne Plates. Tin-Bar and Pig. Tin Plates. Tin Shingles. Tinners' Machin Tinnecs' Tools. Ventilators Wall Hooks. Water Cut-off Wire-Annealed Wire-Bright. Wire-Coppered. Wire-Galvanise Zinc for Etching, Zinc Sheets.

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BANNER HEATERS HAVE AN AUTOMATIC

SAFETY

which prevents the flame from burning too high.

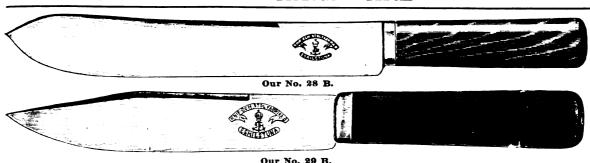
For Bed Room, Smoking Room, Bath Room, Library, Nursery, Office, Conserva-tory, Camp or Cottage,

THE PLUME & ATWOOD MFG. CO.,



If you have a sign over your door, you are an ad-The sign is invertiser. tended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.



Ain't it a shame

to buy any other knives than those illustrated in the Green Book of Hardware Specialties. Of course it is. Why? Because if it is not in the Green Book of Hardware Specialties it is not the best.

THOMSON BROS. & CO.,

Ask your dealer for these goods.

SMITH & HEMENWAY CO.,

UTICA DROP FORGE & TOOL CO.

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296 BROADWAY, NEW YORK CITY.

MORRILL'S Perfect Saw Sets

Bench Stops, Punches, Cutting Pliers and Seal Presses.

This Trade Mark is stamped on all Hardware Specialties of



Registered, Pat. No. 80,572.

This Trade Mark is stamped on all Hardware Specialties of my make.

For Hand, Band and Jig Saws, from the widest made down to 1-2 inch. The Sets are too well known for me to enlarge on them.

Write for Catalogue.

my make.

CHAS. MORRILL,

Broadway Chambers, Broadway and Chambers St., N. Y.

WINSLOW'S NEW SIDE ADJUSTMENT-SKATE

Which can be adjusted on the boot as the skater may desire. The runners have FLANGED BOTTOMS which make them light but strong.

We manufacture the largest assortment of Standard Lever Adjustment Skates for Men and Women,

Beautiful Hanging Signs illustrating our Ice Skates and Double Runner Skate will be sent to Dealers upon application.

Our 1901 Catalogue is completed and we will send it to any address.

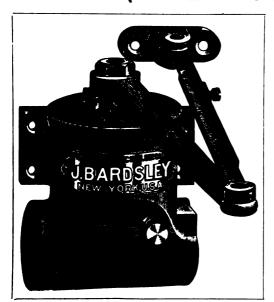


Cut showing Side Adjustments.



The Samuel Winslow Skate Mfg. Co., Worcester, Mass.

THE "BARDSLEY" OIL DOOR CHECK AND SPRING.



This device—as now made—has the following features which are peculiar to itself:

No packing friction.

A releasing device—especially useful on apartment house doors and doors that close against a draught.

Spring of polished clock steel of superior quality—ensuring soft and noiseless action and great durability.

The mechanism is arranged so that the spring cannot be used wrong side up and thus bent out of shape or broken.

The checking medium is an oil which is practically non-freezing, and which can readily be renewed when needed without removing the check from the door.

JOSEPH BARDSLEY.

147 to 151 Baxter Street, NEW YORK.

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MARION, IND.

ADJUSTABLE

SOCKET WRENCH.

A TOOL THAT EVERY MACHINIST AND FARMER SHOULD USE.



COPPERIZEDO

SPRINGBOTTOM

MOWING MACHINI

OILER Nº 600 Can be used in places that cannot be reached by other wrenches. . .

Seno for Catalogue of

Hardware Specialties

AND Cycle Sundries.

The Smith & Egge Mfg. Co.,

THIS CAN ---

HAS A

Clock Spring Steel Bottom

Of extreme durability and springiness. The CYLINDER is of DOUBLE THICKNESS around the lower edge, and is drawn seamless from extra heavy "Swedoh" Steel, Beautifully Finished It readily commends itself to all AGRICULTURAL and HARD-

WARE DEALERS on account of its Elegance, Durability and Cheapness.

Special price on large orders from the Jobbing Trade.

ORDER NOW FOR SPRING DELIVERY.

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Che Wilmot & Robbs Mfg. Co.,

BRIDGEPORT, CONN...



ATKIN STRADE WINNERS,

They are the Woodman's FAVORITE.

Are...
TRADE WINNERS,

AWS

WE MAKE WRINGERS, TOO.

1703 PARK ST.



E. C. ATKINS & CO., Inc.

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HARDWARE

The Hon. Webster R. Walkley, of the Peck, Stow & Wilcox Co., at the recent election in Greater New York, was elected alderman of the Fifty-fifth District in the Borough of Brooklyn, by a very handsome majority. He has already served with marked distinction in the Brooklyn Board of Aldermen during the administration of Mayor Schieren, at which time he bore the palm for oratory in that municipal arena. Few measures affecting the interests of Brooklyn were brought before the board that he did not materially assist in perfecting, his love for participation in such labor being notably significant. Having a large acquaintance both politically and socially in New York and Brooklyn, and the fact that he represents one of the largest Hardware manufacturing concerns in the industry, gives him a personality that will promote him before many years to a larger field of political usefulness.

We publish on another page of this issue an excellent article on "The Radical Changes in Retailing Hardware During the Past Thirty Years." It was originally published in the *Michigan Tradesman* in the banner number recently issued. It is from the facile pen of that progressive Hardwareman, Henry C. Weber, of Detroit, treasurer of the Michigan Hardware Association.

The business of the Waterbury Farrel Foundry and Machine Co., of Waterbury, Conn., has entirely outgrown their present plant, and improvements are under way which will increase their output at least fifty per cent. A large brick office building is completed and the framework up for a fourstory brick addition to the machine shop. A new power house with brick stack will also be erected and a number of smaller additions made. New boilers will be installed and a complete electrical plant, as well as a large amount of new machinery.

The most important robbery of the post-exposition season occurred in the Liberal Arts Building at the Pan American Exposition a week ago. The booth which suffered was that of the Northfield Cutlery Co. When workmen arrived in the morning they found that the exhibit had been stripped of everything of value. Almost the entire exhibit had been carried away by the thieves. All the expensive pearl-handled pocket-knives had been taken, among the lot being a monster knife containing about 40 blades, which had been the feature of the display. The knives taken, it is thought, will total in value about \$1,000, being the most expensive and valuable in the collection. The robbers, it was evident, had worked with deliberation, picking out only just what was wanted and passing aside what proved at all bulky and not specially valuable.

Charles S. Lawrence, who has been abroad representing Tower & Lyon since October 2d, returned by the steamer St. Paul on the 16th inst. His time while away was fully occupied in the interests of this well-known house in establishing agencies in Great Britain for the many specialties manufactured and controlled by them. The foreign demand for the products marketed by Tower & Lyon has been increasing annually, until now it represents a very material portion of their steadily expanding output.

Owing to the many new lines taken on by the New Departure Bell Co., Bristol, Conn., it has been decided to change their name to the New Departure Mfg. Co. This company

has increased its plant and is extremely busy in what is usually a dull season. This change of name will take effect December first.

At a recent meeting of the board of governors of the Hardware Club, of New York, the following gentlemen were unanimously elected to membership therein:

Sydney J. Robinson, Washington, Pa.
U. M. Fleischmann, 302 Broadway, New York.
Fred. Dietz, 60 Laight Street, New York.
John E. Dietz, 60 Laight Street, New York.
Bernard Naughton, 258 Broadway, New York.
Daniel F. McMahon, 258 Broadway, New York.
Thomas C. O'Sullivan, 258 Broadway, New York.
George W. McNulty, 258 Broadway, New York.
William E. Burke, 258 Broadway, New York.
James F. Schaperkotter, 26 Cortlandt Street, New York.

The Bronson-Walton Co., Cleveland, O., makers of Coffee Mills, Roasting Pans and Hardware Specialties, have moved into their new plant which has been building during the Summer. They have added new machinery which will double their capacity, and report having plenty of orders, compelling them to run a night force, although employing 100 men.

F. E. Myers & Bro., Ashland, Ohio, are now the owners of patent No. 674,966, dated May 28th, 1901, issued to J. H. Burkholder, for improvement in door hangers. This, in connection with prior patents issued to them, prompting the introduction, undoubtedly places them in a position to control the Flexible and Stayon feature embodied in the Myers Stayon hanger, which is becoming exceedingly popular, having developed into a very extended business; in consequence, they propose to protect themselves and their dealers and will give exclusive agencies.

On December first the Boston and Lockport Block Co. expect to remove their Boston office and stock room from 142 Commercial Street to 160 Commercial Street, where they are fitting up new apartments to better accommodate their increasing business. The first floor will be occupied entirely by offices, and the remaining four floors for stock. It is their intention to carry a full line of trucks and platform wagons, which are manufactured at their factory at Lockport, N. Y. They also intend to carry a large line of Batt's Chain Hoists, Wire Rope Blocks and such other Blocks as would be needed by railroads, contractors and others for emergency cases. They will carry a large line of pumps, and will as far as possible transfer their shipping department for express shipments from their East Boston factory to Commercial Street, thus saving about a day in time. A telephone exchange will be installed with two receiving instruments instead of one, so that when one line is "busy" another may be called. They are hard at work on their 1902 Catalogue, which they hope to have ready for mailing about the first of the year. This will be the largest and most complete Block catalogue ever published, and they are prepared to take orders for same to be sent free to any interested party as soon as received from the

In 1643, John Winthrop came from England with the necessary skilled workmen and erected a foundry at Lynn, Mass., and the first article made from native ore was cast in this foundry in the shape of a small iron pot holding a quart.

HARDWARE

VOL. XXIV

NOVEMBER 25, 1901.

NO

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.

HARDWARE is published on the 10th and 25th of each month. The subscription is \$1.00 a year, payable in advance.

Subscriptions may commence with any issue.

Remittances should always be made in the safest manner available to the remitter. Post-office and Express Money Orders are always safe and may be sent at our own risk.

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The Name of your Post-office and of the State you live in should always follow your own name when writing to this office. We cannot find your name on our books unless this is done.

Letters should be addressed

HARDWARE PUBLISHING CO., 275 Broadway, New York.

L. E. MITCHELL,

President.

A. P. MITCHELL, -

Secretary and Treasurer.

HENRY HOPKINS.

Editor.

A. E. BOLLES.

Manager

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted Exclusively to the Hardware Trade.

Editorial Trade Review.

Business continues remarkably good. Prospects for the closing of the year prosperously were rarely better. Preparations for the holiday demand, which promises a fullness in the way of purchases, especially of high-grade goods of merit, are surprising to the veteran dealer, and the Hardware stores during the Christmas season particularly, will present elements of attraction to the general public that must command admiration for the various articles of utility offered for sale—articles of merit that will open the buyer's heart and, what is more important, his pocket-book.

Orders are coming in strongly to the jobber from the territory covered by his salesmen for such Spring delivery goods as are usually looked after a month or more later. But prices are so low by comparison that orders are given more freely than usual, in order to place requisitions early with the hope of delivery on time at dates specified. This early booking of the retailer's wants inspires the jobber to forward to factory large orders covering the several lines of Spring stock, while quotations may be had at the present level of the markets. There is a feeling in the trade that prices will advance on many lines of goods, and that goods will be difficult to obtain from factory when Spring arrives, unless specifications have been booked months ahead. Manufacturers are compelled to pursue the same plan, for the knowledge is patent that orders for raw material have already been entered for delivery in the early months of next year, that will make it difficult for late comers to meet conditions so favorable to a successful trade, without paying bonus prices for a satisfactory supply. It won't be the fault of the buyer for the leading jobbers if a large stock of prominent specialties will not be amply provided for; and the jobber with the stock to deliver will deserve his active business.

Just at present the sudden coming of cold weather, accompanied by snow in many instances, has created earlier than usual a lively demand for Winter requirements. The business in skates, sleds, snow shovels, ice chisels and stove supplies generally has been an active one, orders having been freely forwarded and the stock in the hands of the jobbers materially lessened. This, with the stimulus from holiday business wants, has made an unbroken successful business not always a feature of late November trade.

An effort will be made in several quarters to lay in a larger stock of the ordinary tools required usually in a Hardware stock, great difficulty having been experienced this season in obtaining full supplies of Disston's saws, Maydole hammers and other well-known special makes, usually in ample supply.

The demand for Builders' Hardware continues good. The several wire nail plants which have sprung into existence since the organization of the American Steel and Wire Co., are compelled to name prices lower than those obtained by the controlling company, in order to dispose of their product. This will always be the case, although the fact that their combined output is a mere bagatelle compared with the gross consumption of the country. The American Steel and Wire Co. have a manufacturing capacity sufficient to supply all the wire nails used in the United States, but this fact, although well known, does not discourage the formation of competing plants, as long as the margin of profit admits of a cutting of price, but as long as the demand leaves no surplus product in the mills of the big company, it is unlikely that any change in current prices will be made to lower the quotations which have for so long a time held the trade free from speculative purchases.

Reciprocity Treaties and Agreements.

The special interest in the reciprocity history of the United States awakened by the discussion which has been in progress here during the week suggested to the Treasury Bureau of Statistics a concise presentation of the history of the reciprocity treaties and agreements which the United States has had in the past, those now in operation, and those awaiting action by Congress.

The list of reciprocity agreements since 1850 consists of:

- (1) An agreement made with Canada, which operated from 1855 to 1866, under which the United States admitted free of duty from Canada, breadstuffs, provisions, live animals, fruits, poultry, hides, skins and furs, ores and metals, timber and lumber, cotton, flax and hemp, and unmanufactured tobacco; Canada also admitting the same articles from the United States free of duty.
- (2) An agreement with the Hawaiian Islands existed from 1876 to 1900, by which the United States admitted free of duty sugar and molasses, and other tropical products of those islands, and they admitted free of duty breadstuffs, provisions and general merchandise from the United States.
- (3) The treaties made in 1891-92 under the Act of 1890 with Brazil; Spain for Cuba and Porto Rico; United Kingdom for the British West Indies and British Guiana; Dominican Republic, Salvador, Nicaragua and Guatemala in Cen-



tral America, and Germany, France and Austria-Hungary. Under these the United States agreed to admit free of duty sugar, molasses, coffee and hides from the countries mentioned, and in exchange for that privilege, those countries agreed to the following concessions on goods from the United States: Brazil, the free admission of wheat, flour, corn and oats, meal, starch, vegetables, hay, pork except hams, fish, cotton seed oil, coal, naval stores, agricultural implements, manufacturing and mechanical tools, engines, mining machinery and material for railway construction and equipment, also a 25 per cent. reduction in the duty on lard, hams, butter, cheese, preserved meats, fruits and vegetables, cotton manufactures, iron and steel manufactures, lumber, timber, wood manufactures, wagons and carriages and manufactures of rubber. With Spain, for the admission into Cuba and Porto Rico of the following articles free of duty: Meats, fish, wood for cooperage and building, wagons, carts, cars for railways, sewing machines, manufactures of iron and steel, oats and forage, and numerous other articles, also a reduced rate of duty on wheat, flour, and many manufactured articles. With the United Kingdom, for the British West Indies, an agreement similar to that above named with reference to Cuba and Porto Rico. Similar agreements with Nicaragua, Honduras, Guatemala, Salvador and the Dominican Republic. With Germany, the free admission of the following articles from the United States: Bran, flax, feathers, hides and skins, tan bark, also a large list of articles at a reduced rate of duty. With Austria-Hungary, an agreement similar to that with Germany.

(4) Agreement made in 1898, under the Act of 1897, with France by which the United States reduces the rate of duty on tartar, brandies, still wines and paintings, and France extends its minimum tariff rates to canned and prepared meats, also fruits, hops, timber and lumber in the United States. Similar agreements were also made in 1900 with Germany, Portugal and Italy. All of the recent agreements with France, Germany, Portugal and Italy are now in existence.

The pending unratified treaties from which the injunction of secrecy has been removed, provided for (1) the reduction of 121/2 per cent. duty on sugar, molasses, fruits and asphalt from the British West Indies and Guiana and the removal or reduction of the duty on a large list of agricultural products and manufactures entering those colonies from the United States. (2) A reduction of 20 per cent. in the duty on sugar, hides and certain grades of wool from Argentina entering the United States and a reduction in the Argentina duty on a large list of food stuffs and manufactures from the United States. (3) A reduction of from 5 to 20 per cent. on certain manufactures entering the United States from France and the application of the minimum tariff of France to most of the articles entering that country from the United States. In addition to these, there are pending treaties with Nicaragua, Ecuador, the Danish West Indies and the Dominican Republic, from which the injunction of secrecy has not as yet been removed.

The following statement shows the full list of the reciprocity agreements and treaties which the United States has made and put into operation since 1850, also those pending and unratified:

RECIPROCITY TREATIES AND AGREEMENTS OF THE UNITED STATES.

	ountries.		Date	at v	which	trea	ty		I	ate	of
C	ountries.			took	effect	t.	-		tern	aine	tion.
Can	ada	. 	. Marc	h 16	. 185	5		 Με	ırch	17.	1866
Hav	vaiian Isai	ads	Sept.	9.	1876.			 Aı	oril :	30.	1900
Bra	zii	<i></i>	April	1 1 .	1891.			 ن À	ug.	27.	1894
San	Domingo.	 .	. Sept.	1, 1	891			 A	ug.	27.	1894
(a) Bri	tish West	Indies.	Feb.	1. 18	392			 A	ug.	27 .	1894
Sal	vador	. .	Feb.	1, 18	892			 A	ug.	27.	1894
Nice	aragua		Marc	h 12	. 189:	2		 A	119.	27 .	1894
Hor	duras	. 	Mav	25.	1892.			 A	118.	27.	1894
Gus	temala		May	30.	1892.			 A	112.	27.	1894
(b) Cub	a and Port	o Rico.	Sept.	1. 1	891			 A	110	27 .	1894
Ger	many		Feb.	1, 1	302			 A	112.	27 .	1894
Aus	tria-Hunga	rv	Mav	26.	1892.			 A	ug.	27 '.	1894
Swi	tzerland .		June	1. 1	898.			 Ma	rch	23.	1900
Fra	ace		June	1, 1	898			 5	till .	in f	orce
Ger	many		July	10.	1900.			 8	till	in f	orce.
Por	tugal		June	12.	1900.			 8	1111	in f	orce.
Ital	y		July	18.	1900.			 8	till	in f	orce.
	,			,				 ~			

In addition to the above, are the following agreements made, but not yet ratified by the Senate:

	Signed.	Unratified.
(a)	British West Indies. June 16, 1899	Unratified.
ν,	Argentina July 10, 1899	Unratified.
	FranceJuly 24, 1899	Unratified.
	Dominican Republic —, —, 1899	Unratified.
	Nicaragua, -, 1899	Unratified.
	Ecuador, —, —, 1899	Unratified.
	a) Agreement with the United Kingdom. b) Agreement with Spanish government.	

Death of Benjamin Franklin Errington.

Benjamin Franklin Errington died at his home at Clifton, Staten Island, on November 19th of pneumonia. Mr. Errington was born in Yarmouth, England, in 1822, and was consequently in the 80th year of his age. He came to America when quite a young man, and entered the employ of Harper & Bros., publishers, for some years, and made a most excellent record with that firm. Later, in connection with



BENJAMIN FRANKLIN ERRINGTON.

his brother George, he purchased a farm at Battle Creek, Mich., with the intention of making farming his life work. At that time Michigan was in its infancy and little explored, and wild animals were in constant evidence about the farm. In 1848 his brother-in-law, the late Alfred Field, who was one of the original founders in 1836 of the successive firms of Parker & Field, Parker, Field & Field, F. E. & A. Field, Field, Ibbotson & Co., and since 1862, Alfred Field & Co., prevailed on Mr. Errington to leave his farm and become connected with his firm, and continuously since 1848, a period of fifty-three years, he has occupied a prominent position with this old firm. In the old days prior to 1870, there was hardly a prominent jobber who was not familiar with the kind face and straightforward manner of Mr. Errington, and there was probably no man in the Hardware trade during these old days, who enjoyed a greater degree of respect and confidence among the trade than did Mr. Errington. time houses like William Bryce & Co., Walsh & Coulter, John C. Tucker & Co., Clark Wilson & Co., and scores of others, always addressed him by the familiar name of Frank, and Mr. Errington was never known to make the slightest misrepresentation, or by act, word or deed do anything that was different from the absolute facts. For the past thirty years he has been at the head of the Export Department of the firm, where by his geniality and kindly disposition he has secured the confidence and won the respect and love of all with whom he has come in contact, and on the day of his demise, there were many moist eyes in the establishment. The authority for the facts enumerated here has been intimately associated with Mr. Errington for forty-seven years, and is very happy

in bearing testimony to the fact that he was the most upright and pure minded man he has ever known. During all this long time he never heard Mr. Errington speak a word that could not have been uttered in the most cultured assembly. Such a thing as an impure thought could never get within contaminating distance of his pure mind. He was lovingly considerate of all about him, and always ready to ignore and efface himself, if by so doing he could bring help and sunshine to others.

LEGAL CORRESPONDENCE.

Conducted by William Marston Seabury, Attorney and Counsellor at Law, No. 43 Cedar Street, New York.

Any subscriber to "HARDWARE" is privileged to ask any legal question he pleases in this Department and it will be answered free of charge. Address all communications to Editor "HARDWARE," No. \$277 Broadway, New York City.

Construction of Will.

QUESTION.—A party died leaving a will, in which appeared the following clause:

"To my daughter * * * I give and devise my house and lot in which I now reside, * * * the house and lot to remain a homestead during her life, with power to will it to whom she desires at her death."

Is the daughter debarred under the will, from conveying or mortgaging this real estate, and if so can she institute any legal proceedings that will enable her to sell and give a good title, or mortgage the property?

REPLY.-In our opinion the daughter receives a life estate only in the house and lot in question, said house to be maintained by her during her life as a homestead, with a power to dispose of the house and lot at her death by will. The will particularly limits the power of disposition of the house and lot and requires it to be made, if at all, "by will to whom she desires at her death." The construction of this sentence taken in conjunction with the clause providing that the house shall remain as a homestead during her life, shows that the intention of the testator was to prevent the alienation of the property during the daughter's life. Under this construction of the will in question, the daughter would have no power to convey the property during her life, and we are of the opinion that the power in question does not authorize the daughter to . mortgage the property. We know of no legal proceeding that could be brought which would enable her to sell and give a good title or mortgage the property. Since, however, the power of disposition at the time of her death is given to her absolutely, we believe that a contract could be made by her, by which she would agree to devise the property in question at her death by will, to a certain person, and that this contract could be enforced after her death. If our construction of the clause is correct and the daughter takes only a life estate in the property, and she die without a will disposing of the property, the property would revert to the heirs of the donor of the original testator.

Contract to "Satisfy" Party.

QUESTION.—Some time ago I entered into a contract with an artist, by which contract he agreed to paint my portrait for me at the price of \$100. The portrait to be to my satisfaction when completed. The artist completed the portrait, which he informed me was a portrait of myself, but which in my opinion was extremely poorly done, and I therefore refused to accept the portrait or to make him any payment on the contract referred to. He threatens that unless I pay him the amount of \$100 he will at once institute suit against me to recover the same. Kindly advise me whether I am obliged to pay this sum or not.

REPLY.—We are of the opinion that upon the state of facts before us, if in good faith you were not "satisfied" with the portrait when it was completed, that you would not be obliged to accept it or pay the agreed price therefor. Generally speaking, there may be said to be two classes of cases in which the question as to whether or not a person has fulfilled a contract to the satisfaction of another arises. One class is where a person by his contract agrees to do some work which

appeals to the personal taste or sensibility of the individual with whom he contracts, and the other class of cases, in which he contracts to perform some work which is capable to be shown by mechanical demonstration to be a properly completed work. We are of the opinion that the case before us comes under the first class, and in such cases, if in fact the party is not satisfied with the work, he may reject it and is not liable on the contract. As to the other class of cases, we have several decisions in the State of New York holding that if the party should in reason be satisfied with the work performed and it can be demonstrated that the work is properly done, the law will presume him to be satisfied, and he will be liable for the contract price. The decision of the Massachusetts Courts upon this subject seem to indicate that even in matters of mechanical appliances if the party is acting in good faith, and declares that he is not satisfied, the contract cannot be enforced against him.

Attachment of Property.

Question.—Some time ago I delivered a stock of goods to a retailer in New York. I was aware at the time that I delivered the goods that this retail dealer was in rather poor financial condition. I therefore had him sign a contract by which he agreed to pay for the goods I was to deliver in installments. The contract also provided that the title to the goods should remain in me until the last installment should be paid. One installment was paid by the retailer, but before the second installment became due the sheriff levied an attachment upon the retailer's property and took into his possession all the goods which belonged to me, as well as the other property in the store belonging to the retailer. Kindly inform me what course I should pursue in order to recover my property.

REPLY.—If by the terms of the contract entered into between yourself and the retail dealer the title to the goods delivered by you to him was to remain in you until the payment of the last installment, and if the last installment under the contract had not been paid at the time the sheriff levied upon his property you are entitled to the possession of the property. In order to obtain possession of the property it is necessary for you to file with the sheriff who has attached the property what is known as a third party claim.

Industrial Growth of Connecticut.

The report of the Census Bureau on manufactures in Connecticut in 1900 shows a capital of \$314,696,836, invested in manufactures and mechanical industries in 9,128 establishments reporting for the State. This sum represents the value of land, buildings, machinery, tools and implements, and the live capital utilized, but does not include the capital stock of any of the manufacturing corporations of the State. The value of the product is returned at \$352,824,106, to produce which involved an outlay of \$12,286,050 for salaries of officials, clerks, etc., \$82,767,725 for wages, \$23,089,806 for miscellaneous expenses, including rent, taxes, etc., and \$185,641,219 for materials used, mill supplies, freight and fuel.

It is not to be assumed, however, that the difference between the aggregate of these sums and the value of the product is, in any sense, indicative of the profits in the manufacture of the products during the census year. The census schedule takes no cognizance of the cost of selling manufactured articles, or of interest on capital invested, or of the mercantile losses incurred in the business, or of depreciation in plant. The value of the product given is the value as obtained or fixed at the shop or factory. The value of materials purchased in partly manufactured form was \$144,809,525. The difference, \$208,014,581, is the net or true value of products, and represents the increase in the value of raw materials resulting from the various processes of manufacture.

She—I'm so glad it's to be platonic. At one time I was afraid you would propose.

He—So was I.—Ex.

RETAILING HARDWARE.

RADICAL CHANGES DURING THE PAST THIRTY YEARS.

Time is a great innovator. Human activity is the great author of change. Standing upon the threshold of the twentieth century, we look back in awe and wonder upon the marvelous changes which have been wrought in every sphere of action. Industry, science, literature—all have their place in the great march of Progress. Each day brings to light some new discovery, some new idea, some new development. The wise man of to-day is wiser than the man of yesterday, and he of to-morrow wiser than the man of today. The world and all that is in it is involved in a perpetual evolution. The crude printing press of Guttenberg has evolved into a huge machine which stamps intelligence upon millions of papers a day. The simple engine of Stevenson now is an immense and powerful locomotive that thunders down canyons and sweeps along the very edge of cataracts with wondrous speed. The insignificant light of the candle has been superseded by electric lamps of intense power. Change, change, and progress with every change, is the watchword that rings along the avenues of Time and is taken up to be repeated by every science, art, business and profession. It has been assigned to me to review the changes that have taken place in my own business, that of retail Hardware, and to confine myself to the last thirty years. This limitation permits me to write of my personal observation and, therefore, I accept it gladly.

Thirty years ago the Hardware business, judging it by comparison with its present development, was still in a crude state, and its gradual change for the better has been much like that of the uncouth, untutored youth, who, by the grinding stone of time, has been rounded out into a finished and polished gentleman. The Hardware business of the '70s was, perhaps, the most untidy of all mercantile branches. It supplied nearly every line of manufacture and trade, from the butcher, blacksmith and baker to the florist and farmer, and it dealt with articles so large and so small, from implements to penny nails, it was at once a store, a factory and a repair shop, and it was all conducted in so small a place that it was difficult to create order out of chaos.

Imagine a small store 20 feet wide by 100 feet deep lined from the front to the rear by shelving, combining unsightly paper packages of locks, knobs, casters, hinges and tools, with samples of each attached to the outside; a counter in front of the shelves, narrowing the space into a small aisle; the opposite wall decorated with shovels, spades, chains and iron, a narrow coop of 5 x 10 for an office and a trap door with a hand elevator near the front entrance where customers, stoves and heavy traffic all entered together. Then clog up the space with a few refrigerators and a few old-fashioned wood and coal stoves; put in a plow; scatter a few wagon jacks and wooden pumps here and there; then don't forget the scythe, grain cradle and hay forks and you have a picture of the ground floor of a typical Hardware store of thirty years ago.

There have been changes and radical changes; not only in the appearance of the store, but in the character of the business and the methods of doing it. I have only to look about in my store of to-day and reflect upon what it was thirty years ago to be impressed with the wonderful changes that have taken place in the retail Hardware business in general. The 20x100 feet have been succeeded by an immense floor space. The entire store has been divided into departments, the unsightly wall decorations have disappeared

and in their place is a display that is pleasing to the eye. The dim light of gas lamps has changed place with electricity. The freight elevator is now in the rear of the store and no longer requires the muscles of lusty clerks for its operation—machinery does all that. In the front of the store a trim passenger elevator conveys customers to and from the various floors and departments. No more is each clerk a jack of all trades, selling stoves and following them to the homes of customers to set them up. With the division



HENRY C. WEBER.

of the store into departments came the department salesman, especially trained and equipped with a complete knowledge of the particular line of goods over which he is given charge in the store. He has complete supervision of the stock in his department and his duty is to give it his special attention, to attend to the sales within it and to keep it supplied and in order. Then we have the builders' Hardware department and the builders' Hardware salesman; the cutlery department and the cutlery salesman; the tableware department and the tableware salesman; the sporting and athletic goods department and the sporting and athletic goods salesman; the tool department and the tool salesman; the shelf Hardware department and the shelf Hardware salesman; the house furnishing and stove salesman. That this system is far superior than to have each clerk in charge of every line of goods is at once apparent. It individualizes the responsibility, and if blame is to be attached or reward given, the employer knows immediately where it belongs. In the larger cities a hotel department is added in which the culinary needs of hotels, railroads, boats, boarding houses and restaurants receive special attention.

Thirty years ago the Hardware man was satisfied to sit on

his keg of nails and wake up only when some customer insisted upon coming in to buy. Window decorations he had none. If by chance there was some article in the window, it remained there until it was sold. Advertising had been thought of in those days, but not by the Hardwareman. There may have been some who were ahead of their time; but even with these, if they did have an announcement of their wares in a newspaper, it was rarely changed all the year around. To-day the progressive Hardware merchant must be a liberal advertiser and he must use judgment and variety in his advertising; in fact, newspaper advertising has become such an important factor in these times that advertisement writing has risen to the dignity of an art, and we have among us men who make it a profession.

The progressive Hardware merchant of to-day must also give heed to appropriate window dressing of frequent variety and to attractive display within his store. In the seventies it was by no means a pleasure to visit a Hardware store, with an ugly sight of wash boilers, coal scuttles, milk pails and chains greeting the eye and freight jostling one along the narrow, unscrubbed aisles made up of a long row of dull finished stoves on one side and a counter (none too fancy) on the other. To-day the Hardware merchant's emporium is as much of a shopping place which ladies delight to visit as a fancy bazaar. Even women clerks have their place in a modern Hardware establishment, and such a thing was unheard of when I made my beginning in that business. Their appearance accounts much, of course, for the disappearance of the untidiness of the Hardware store of old.

Whether the business is as profitable to-day as it was thirty years back is a question that depends much upon the individual merchant. It is certain, however, that it was easier to make money in it in those days than it is now, because the demands now are greater. The Hardware merchant of the present must have more ingenuity, more business ability, more tact, more taste than his brother of the earlier days. Competition among the retail dealers and combination among the manufacturers have decreased the profits on each sale. While it is true that competition is the life of trade. it is also true that its abuse in late years has led to an utter disregard of quality of goods. Every standard article of value has its hundred imitations by the cheapness of which the innocent public is gulled into buying that which afterwards proves worthless. For this reason the consumer must rely largely upon the word, the integrity and reputation of the merchant when he pays more for an article that is elsewhere advertised as cheaper, because he is getting quality.

Another notable change that has taken place in the Hardware trade within thirty years is the tendency toward special-Before the panic of 1873 every Hardware dealer, whether large or small, handled every class of goods that belongs to the trade. The first departure of that sort was made in Michigan by the late James L. Lischer, in conducting exclusively a builders' Hardware store. Rohns & Schafer were the pioneers in the exclusive blacksmith and carriage supplies. A more recent instance of this specializing is the tool Hardware emporium of Chas. A. Strelinger & Co., of Detroit, and of Coulson & Morhous, who sell only such Hardware as is used in house furnishing. In my own store, while it is a general Hardware and house furnishing business, I have been making a specialty of Garland stoves and I have exhibitions of them on the second floor, equal in exclusiveness and variety to the show room of any stove foundry. The reason for this specializing may be found in the fact that, with the progressiveness of the times, the Hardware business has expanded into so wide a field, each part of which must be cultivated with such care, because it is attended with so many details that it almost requires all the emergency of a single man to master all there is to a single branch. In fact, the tendency of the times has been toward specializing in almost every business and profession. We have specialists among lawyers and doctors, as well as among Hardware men and merchants in general.

The remarkable advance in the Hardware trade, the wonderful changes that have occurred and the progressiveness of the merchant of to-day, are largely due to the influence of trade journals and of Hardware associations. These two forces have been the medium of disseminating advanced ideas; they have afforded an interchange of thought between merchants, not only of the same city, but of the State and country; they have created a better feeling and understanding among dealers and have raised the standard and character of the business. In fact, the trade journals and the associations are now indispensable to the successful Hardwareman. They are the means of a mutual co-operation that is necessary for the preservation of the individual dealer. God bless them!—Henry C. Weber.

A Crude Oil or Tar Burner.

At the meeting of the Pacific Coast Gas Association at San Jose, Cal., July 16-18, Charles Hughes contributed to the "wrinkle" department the description and sketch, presented herewith, of a burner for crude oil or tar: "It is constructed entirely of pipes and fittings, such as are found around all gas works and machine shops. The larger or outer pipe, being 34 inch by 18 inches long, is screwed into a tee. Through the straight opening of the tee, which is bushed down to required size, a 14-inch pipe is screwed, which enters into the 34-inch pipe about 6 inches, and is capped as shown in the drawing. The cap has an opening in the form of a cross, which is filed or sawed through the



end to allow of the flow of oil. The large pipe carries on its furnace end an ell, plugged. A slot is filed or sawed off the proper size for the size of the flame desired. The steam is admitted to the large or outside pipe through the side opening of the tee, as per drawing. The author of this drawing has had excellent results from the use of this burner; in fact, much better than were obtained from some of the expensive burners on the market, the cost of the burner being comparatively nothing."—Age of Steel.

History of By-Product Cooking.

The first mention of the by-product oven dates back to 1768, in which year, according to the Engineering Magazine, tar was produced by a chemical process in a by-product oven at Fishback, in the Saarbrucken coal fields in the Rhineland provinces of Germany. Systematic experiments along these lines were made in France and Belgium many years ago, and in 1863 a by-product oven plant was in efficient operation at St. Etienne, France. From that time until 1882, when Mr. L. Semet, an eminent engineer and a director of the firm of Solvay & Co., of Brussels, Belgium, perfected the Semet-Solvay retort coke-oven system, this departure in fuel-making underwent a gradual development. The first plant of this pattern was installed at Mons, Belgium, in 1882, and since that time the system has met with great success in many coking fields.

The Man with a Million.

"Do you subscribe to the assertion that a man with a million dollars can do whatever he chooses?"

"No," answered Senator Sorghum, "I do not. These days, a man with a million dollars wants to lie low and keep out of trouble or the first thing he knows, two or three men with a billion apiece will take his money away from him."—Washington Star.

RECENT TRADE PUBLICATIONS.

OSGOOD SCALE Co., Binghamton, N. Y. Illustrated price list and catalogue of Osgood United States Standard Scales. This is a pamphlet catalogue of 36 pages, covering a line of production of this old concern which was established in 1865. It is arranged under a somewhat different plan from previous catalogues, and, in fact, all the Scales have a new descriptive number, facilitating the ordering of these goods, and lessening the liability of making an error, which is frequently the case when other methods of description are attempted. This catalogue gives an excellent idea of the extensive product made by the company, including Patent Combination Wagon Scales, Iron Lever Scales, Portable Platform Scales, Warehouse, Miners' and Transportation Scales. It is very neatly printed, carefully compiled, full and complete descriptions and illustrated throughout. Included in the contents will be found Wool and Cotton Scales, Salt Meat and Fish Scales, Furnace Stock Charging Scales, Cattle Scales, Butchers' Meat Beams, etc., etc.

Forest City Paint and Varnish Co., Cleveland, Ohio. Are distributing a 40-page pamphlet having reference to their paints and varnishes, and containing a number of half-tone illustrations showing the style of packages in which these goods are marketed, many of which are novel in construction and original and attractive in appearance. Other illustrations are given, showing methods of manufacturing of a variety of their products, altogether making the pamphlet an extremely interesting one to those handling these or similar products. Included in its contents is a full list of all the various articles in the line of mixed paints, colors in oil, wagon and floor paints, machinery paints, bridge and iron paints and dry colors generally; also their barrel paints and a variety of oils, dryers, asphaltums, etc.

Union Mfg. Co., New Britain, Conn. Thirty-page pamphlet catalogue, embracing their line of Iron and Wood Planes marketed under the trade-mark, Union. They claim that the articles in this line furnished by them, which are guaranteed to be right in every way, are well made, possessing easy and simple adjustment, using in their construction the best material only. In point of finish, they are claimed to be excelled by none now on the market, with cutters that are made of the best guaranteed steel and finished by a modern process that gives a keen cutting edge that will help in all kinds of work. The assortment covers all the most desirable styles of planes now handled by the trade, including fore, jack and jointer and block planes of every description, together with a line of spoke shaves, to which a portion of the catalogue is devoted.

W. Bincham Co., Cleveland, Ohio. Catalogue of 64 pages, filled to repletion with illustrations having reference to Household Specialties which they state in their preface is not a catalogue, but is intended more as a suggestion of what they have to show in their newly remodeled housefurnishing department. It certainly shows a very extensive line of useful articles for use in the kitchen and for general housework to be seen on the second floor of their extensive establishment. As it averages about a dozen illustrations to the page, some idea may be formed of the extent to which this line of goods is exploited in this attractive manner. It is printed on coated paper, with the headings of each page printed in blue. It represents the kind of literature that is certain to be preserved by the recipient. Interspersed in its contents are a number of valuable recipes designed for home

purposes that would indicate the pamphlet was gotten up for a wider distribution than trade catalogues are generally; it has a very attractive cover, embossed in colors, and altogether, is a publication worthy of the reputation of this wellknown company.

CLEVELAND PNEUMATIC TOOL Co., Cleveland, Ohio, publish a catalogue of 50 pages, oblong in shape, covering the products of this concern in the way of Pneumatic Tools, Hammers, Riveters and Drills, being denominated their Catalogue "D." This is a very handsome catalogue, on extra heavy coated paper, superbly illustrated with perfect half tones which give in a thorough practical and pictorial manner the uses to which their various tools are put. These illustrations are exceedingly graphic in their way, and convey an admirable idea of what may be accomplished by the use of these improved, up-to-date pneumatic appliances, many of which are designed for special work and have been in use in a limited way for many years. It is intended as an adjunct to the machinery equipment of an up-to-date shop and where pneumatic tools such as are now being offered might properly be classed as a modern device. The evolution of development in the perfecting of these tools in the last four or five years has certainly been attended by tremendous strides and lightning changes, as they occupy a field entirely separate and unapproachable by any machinery device now known. This is an extremely interesting catalogue and appeals to all dealers who desire to handle the latest and most modern tools required for the accomplishment of perfect results in an economical manner.

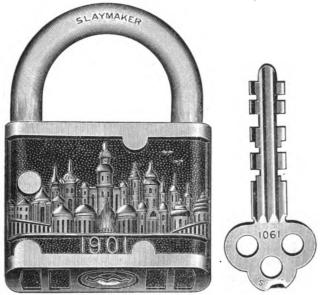
REINEKE, WILSON & Co., Pittsburgh, Pa. Fall catalogue of Gas Appliances, which is a pamphlet catalogue of 64 pages and covers in its contents a large variety of Gas Stoves and Ranges designed for the use of natural and artificial gas; Gas and Electric Chandeliers, Iron and Brass, Wood and Chain Pumps, and Supplies and Appliances for the Gas Fitting, Plumbing, Hardware and kindred trades. This is a very handsome and attractively arranged pamphlet catalogue, covering the above named goods. Fully and completely illustrated, giving full descriptions throughout. The illustrations are excellent half-tones, printed on coated paper, and the descriptions are plain and understandable by the ordinary dealer, showing the care with which the catalogue has been compiled. It is one deserving of the attention of those handling this line of goods, and if not already received by them, should be asked for. The designs are up-to-date and attrac-

SENECA CHAIN Co., Kent, Ohio. Thirty-two-page catalogue of the various Chains handled by the Hardware trade, including Mill Chains, Trace Chains, Butt Traces, Stage Chains, Breeching Chains and Pins, Breast Chains in large variety, Cart Back Chains and Ohio Pattern Cow Ties, "Polished" German Halter Chains, twisted link, and German Coil and Machine Chains. Included in the contents are Proof Coil Chains, self-colored or black, which are made also in B.B. and B.B.B. qualities; also Coil Log Chains, selfcolored or black. This is a very interesting catalogue for the Hardware trade, covering a large and improved variety of these desirable goods. The company state that their plant consists of both oil and coke fires, and feel that in the manufacture of chains they have the most modern and complete shop in the country. They sell exclusively to the jobbing trade and solicit their patronage.

NEW GOODS AND SPECIALTIES.

The 1901 Pan-American Padlock.

S. R. Slaymaker, Lancaster, Pa., John H. Graham & Co., 113 Chambers Street, New York, selling agents, is putting on the market the Pan American design padlock, shown herewith. The shackle is of steel rod, formed with the necessary openings milled, and nickel plated. The interior mechanism is so constructed that it requires both sides of the key to operate it. There are a large number of stock key changes and the corrugations in the key, combined with



THE 1901 PAN-AMERICAN PADLOCK.

the excellent system of interior mechanism, it is explained, afford extreme security. The shell is of heavy cast brass, with the background finished in chocolate color and the raised surface highly polished. The keys are nickel-plated, two keys to each lock. Attention is directed to the automatic action of the shackle, the ample space in and the small cross-section of the shackle, also to the attractive appearance of the lock.

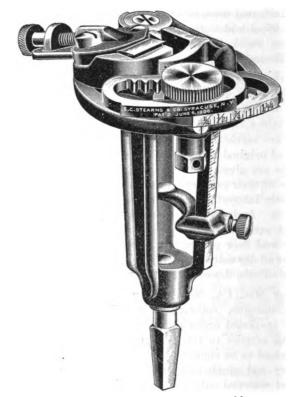
Improved Russell Staple Puller,

The Utica Drop Forge and Tool Co. and the Smith & Hemenway Co., of 296 Broadway, New York, have brought out an improved form of the Staple Puller as shown herewith. The new features include a device between the jaws and the

surface on both sides of the jaw. This tool is a combination of two staples, pincers, monkey wrench, two nail pullers and two wire cutters. It can be used to cut wire on both sides of the plyer, splice, straighten or tighten wire. It is designed more particularly for putting up, removing and repairing wire, etc., farm and railroad fence. It is 10½ inches long and weighs 1½ lbs.

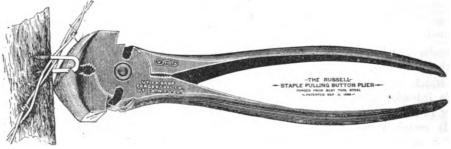
Adjustable Hollow Auger No. 33.

E. C. Stearns & Co., Syracuse, N. Y., are offering the Hardware trade their new Adjustable Hollow Auger No. 33, an illustration of which we give in this article. In its construction the new Hollow Auger combines the desirable features of the well-known Stearns No. 3 Hollow Auger,



ADJUSTABLE HOLLOW AUGER NO. 33.

together with several additional improvements which places it far in advance, in the estimation of the trade. Prominent among the new features is the patented adjustment of the



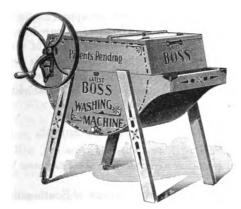
IMPROVED RUSSELL STAPLE PULLER.

rivet for tying barbed wire, and a wire splicer on the opposite side of the rivet for splicing plain wire. The head of the tool is now shaped so that depressions and uneven places in posts, trees, etc., can be readily reached to withdraw a staple or nail. There are two staple drawing grips; one on each side of the head. Other changes are in the form or shape of the jaw ends, which now have a flat and larger hammer knife. As shown in the illustration, the knife is slotted to receive a knurled head screw specially designed with a collar to fit in the slot of the knife, and which adjusts the knife to any desired size of cut. It does entirely away with the use of a screw driver and hammer in adjusting the knife. The screw turns readily between the thumb and fore finger, and is held by the collar so that the knife cannot work out of posi-

tion. This auger cuts any size tenon from ½ to 1½-inch. The pivoted jaws are provided with a graduated scale by which the size of the tenon is regulated. The required length of tenon is secured by a movable stop operating on a graduated scale, with rulings in sixteenths. It is hand-somely finished in lustrous black and red enamel baked on. All bright parts are polished and heavily nickel plated. Packed 1-6 dozen in a box.

Boss Internal Gear Washing Machine.

Boss Washing Machine Co., Cincinnati, Ohio, are the manufacturers of the Boss Washing Machines that are being distributed by the Hardware and Housefurnishing Goods trade, having become quite popular and meeting with extended sales. The Boss has been on the market twelve years, and its reputation is so thoroughly established wherever introduced that to-day the company have one of the largest washing machine factories in the United States. From year to year improvements have been embodied in the construction of the machine, the utility of which have been demonstrated by years of experience and experiment. Among



. .. INTERNAL GEAR WASHING MACHINE.

the improvements embodied in the Boss Internal Gear Washing Machine, an illustration of which we give herewith, may be mentioned increased leverage, decrease in amount of power necessary to operate it; increased rapidity, and no openings for escape of steam. All gearing is inside of casing and out of sight. All castings, flywheel excepted, are heavily galvanized in order to prevent rust. It is claimed the castings cannot be broken by ordinary use or by careless handling or in shipping. All wooden parts are made of Louisiana red cypress, which is impervious to water. The lower cylinder can be detached instantly from connecting rod and removed from machine, allowing the body of the machine when washing is completed, to receive a thorough cleansing and ventilation. Every machine is set up complete at the factory, thus making the machine always ready for use. All that is necessary is to attach flywheel to shaft. No screws or bolts are required to manipulate, or to get out of order. It does the work thoroughly, quickly and with very little power. It does not tear the clothes, and will last indefinitely. It is made in three sizes: No. 7, for family use; No. 8, for family use, extra large; No. 9, for hotel and laun-

The Troy Baking Oven.

The Royal Polished Steel Roaster Co., Troy, Ohio, are placing on the market through the Hardware and House-furnishing Goods trade the Troy Oven, illustrations of which are presented herewith. Fig. 1 shows the article as it appears in its closed form, being manufactured in one size only, 17 x 20 x 12 inches. Fig. 2 gives an interior view of the same article, and shows its style. These ovens are made from sheet metal with an artistically stamped door, nicely japanned, and are lined throughout with a good quality of bright sheet tin. The walls, sides, top and back are one inch thick, which gives an abundance of circulation, thus insur-

ing perfect baking or roasting. The grates or racks are made of tin cylindrical in shape, which make them attractive, strong and durable. The walls or linings come out flush with the opening for the oven door, so that the racks are readily and easily adjusted, as they can be drawn straight



FIG. 1.

out. This is a great convenience. The deflector or divider is made separate from the oven so that it can be taken out and repaired or replaced by a new one if burned out, without injury to the oven. They are made of two pieces of sheet steel, the flames striking the bottom part. Another sheet of steel is then placed one inch above the bottom piece, which runs from end to end of the oven, forming an air passage,

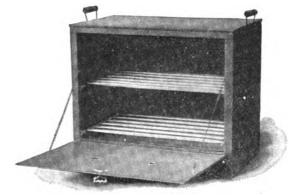


FIG. 2.

preventing the upper strip from getting hot and thus protecting the baking from burning on the bottom.

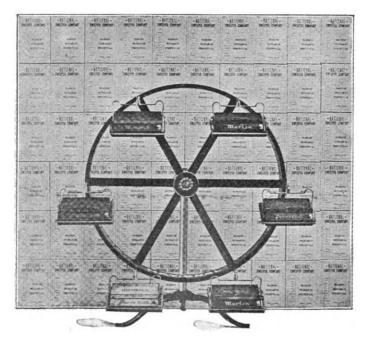
21st Annual Convention of the Sherwin-Williams Co.

The 21st annual convention of The Sherwin-Williams Co., the well-known Paint and Varnish manufacturers, was held at Cleveland, November 4 to 8. This annual convention represents a week set apart at the close of the company's fiscal year for all the traveling salesmen and divisional managers to report at headquarters, where they meet and review with the management the work done during the past year, and map out plans for future operations. Those annual conventions are a source of great strength to The Sherwin-Williams. Co. At their sessions light is thrown on every detail of the business and all are kept intelligently in touch with the extensive operations of the company. They prepare the salesmen for a more effective and intelligent campaign, while they afford to the management a keener insight into the trade situation, as a whole, than could be obtained in any other way. The convention this year proved the most successful one yet held. During the past year all branches of the business witnessed great expansion. The selling force was largely increased and several new branch houses and distributing depots were established. Large gains were made in the company's foreign trade. To supply the growing demands for their products manufacturing facilities had to be largely increased and the company were building during the whole year. The building operations completed to date represent an entire new plant at Newark, N. J., and several large new

buildings added to the home plant at Cleveland and at Chicago and Montreal. A striking feature of the convention week was the annual banquet held in the auditorium of the Cleveland Chamber of Commerce on Thursday evening, Nov. 7th, and attended by the visiting representatives, the employees of the Cleveland plant and the officials of the company. Coyers were laid for five hundred and the affair proved a happy function.

Roller-Bearing Carpet Sweepers.

In the accompanying half-tone we show a reproduction of the National Sweeper Co.'s large "Roller Bearing" Model, which they have just completed, to be used in advertising their new "Roller Bearing" Carpet Sweepers. This wheel stands nearly 6 feet high and is built throughout in the cor-



rect proportions of their regular Sweeper wheels.

Although this wheel is of immense size and great weight, there is so very little friction, practically none, in the Bearing, that the air from an ordinary electric fan will keep it moving. The wheel is so truly balanced that a very light weight placed on top of one of the Sweepers will set the wheel revolving. The end of the hub is fitted with a glass cap so that the working of the rollers can be readily seen. Upon a whole, this makes a very attractive and unique show window display, and demonstrates that the "Roller Bearing" Carpet Sweepers are among the easiest Sweepers on the market.

The Sweepers shown on the rim of the wheel are fastened with arms fitted with ball bearings which keep the Sweepers hanging level at all times. The background shown is made up from a number of cardboard boxes which are used by this company in packing their Sweepers.

A Self-Soaping Scrubbing Brush.

A self-soaping scrubbing brush is the latest novelty. At the back of the brush a stamped galvanized receptacle is provided for holding the soap, which may consist of waste, or chipped pieces, as most convenient. These are introduced through a circular opening through which the soap and water are fed to the fiber or bristles. The manufacturers of this novelty assert their brushes use a minimum of soap, and there is no need to dampen the floor with a wet cloth before beginning to scrub. The brush is easily cleaned by holding it for half a minute under the spigot to rinse out the soap chamber, and dried by hanging it by the hole on a peg.

A Department of Commerce.

One of the live questions, which will take residence at Washington, D. C., about the time Congress convenes and

maintain an active existence until legislative consideration is obtained, is the creation of a new executive department to be known as the Department of Commerce. Manufacturing and mercantile interests are advocating the establishment of this cabinet office, and recent affairs of state are combining to give momentum to the effort. Commerce with colonial possessions and the possibility of reciprocity treaties with foreign nations, not to mention the rapidly expanding general trade of the country, are subjects that have risen greatly in prominence in recent years, and almost month by month. Under these changing conditions the tariff will become a more complex issue, one sufficient to engage the best and chief attention of an executive department.

While a sentiment seems to be gaining among Congressmen that this addition to the President 's Cabinet is desirable, the scope of the proposed department has not taken definite shape. Bureaus of interstate commerce, navigation, customs, steamboat inspection and statistics would naturally belong to the Department of Commerce. In the matter of commercial statistics it may be remarked that the Bureau of the Treasury Department, which now has that matter in charge, has improved conspicuously within the past year. New and valuable compilations are appearing in the monthly summary of commerce and finance, prepared in the Bureau of Statistics, which present striking phases of the vast internal commerce of the United States. This is, of course, merely an incident to the phenomenal growth of that commerce, but it points the need of this new Cabinet position.-Bradstreets.

An Historic Implement.

An historic shovel, perhaps 150 years old, will be used for the formal breaking of ground on the St. Louis World's Fair site.

The shovel was used in the mines of Southeastern Missouri long before Louisiana became the property of the United States, or even before independence was achieved. It is made from a single piece of wood, and is considerably worn from use.

The shovel was buried for many years, and was unearthed at Mine La Motte, Madison County, Missouri, several years ago, and presented to the Peacedale (R. I.) Museum, where it was located after a long and diligent search by Pierre Chouteau, chairman of the World's Fair Historical Committee.

According to traditions, shovels of this character were in use in the mines of Southeastern Missouri between 1750 and 1775.

After the shovel has served its World's Fair mission it will be returned to the Peacedale Museum. It is the only known shovel of the kind in existence.

The French Menu.

He pulled himself up at the hotel table, tucked his napkin under his chin, picked up the bill of fare, and began to study it intently. Everything was in restaurant French, and he didn't like it. "Here, waiter," he said, "there's nothing on this I want." "Ain't there nothing you would like for dinner, sir?" "Have you got any sine qua non?" The waiter gasped. "No, sir," he replied. "Got any bona-fide?" "N-no, "Got any semper eadem?" sir." "No, sir, we haven't." "No, sir, not one." "Got any jeu d'esprits?" tempus fugit?" "I reckon not, sir." "Got any soirces dansants?" "No, sir." The waiter was edging off. "Got any sine die?" "We ain't, sir." "Got any pluribus unum?" The waiter's face showed some signs of intelligence. "Seems ter me I heerd of that, sir," and he rushed out to the kitchen, only to return empty-handed. "Maybe you've got some beef and cabbage, and a cup of coffee?" "Oh, yes, sir, we have," exclaimed the waiter, in a tone of the utmost relief; and he fairly flew out to the kitchen.-Wasp.

REVIEW OF THE MARKETS.

Wire Nails: There is a good business being done in Wire Nails, although quantities ordered are not large, and the varying quotations with which the papers are filled may have something to do with it. Large buyers appear to have received some concessions, but the regular trade is governed by quotations in our previous issue which still hold good, differentials in prices according to quantity cutting no important figure. Quotations are as follows: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To	jobbers	n carload lots\$2.2	0 @ 2.30
_	**	less than carload lots	2.35
To	retailers	in carload lots	2.80
	••	less than carload lots	2.40

New York. There is considerable irregularity in local quotations, although of comparative unimportance. The following prices may be said to represent the local market:

Cut Nails: There is nothing especially new to report regarding the market for Cut Nails, a fair demand continuing for this staple line. The mills report a scanty supply of material as affecting delivery of some sizes. Quotations remain as follows: f. o. b. Pittsburgh, plus the actual freight to point of destination, terms 60 days, or 2 per cent. discount for cash in ten days:

In less than	carload	lots		\$2.10	to 2.15
Carload lots			. .		. 2.03

New York quotations continue as previously quoted.

To jobbers in	carload lots on dock	\$2.18
**	less than carload lots on	dock 2.28
Small lots fr	om store	9 98 40 9 10

Barb Wire: With a lessening demand as the season draws near its close, Barb Wire finds the market steady at prices which have long prevailed. F. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers i	n carload lots, Painted	. \$2.60
- "	" Galvanized	. 2.90
"	less than carload lots, Painted	. 2.65
"	" Galvanized	. 2.95
To retallers	in carload lots, Painted	2.70
"	" Galvanized	. 8.00
44	less than carload lots, Painted	. 2.80
44	(4 (0-111	

Ellwood and Baker Wire is 5 cents and Washburn & Moen Glidden is 10 cents per 100 pounds higher than the prices above named.

Plain Wire: Orders are being booked largely for 1902 supply of Plain Wire which, it is presumed, are entered for specific delivery at some slight concessions for good orders. The current quotations are unchanged and the demand for immediate consumption of no great importance. Quotations continue as previously given: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers in carload lots\$2.25 " less than carload lots 2.30	\$2.65
" less than carload lots 2.30	2.70
To retailers in carlots 2.35	2.75
" less than carload lots 2.45	2.85

The above prices are for the base numbers, 6 to 9. The other numbers of Plain and Galvanized Wire take the advances indicated in the following table:

Plain F	'ence Wir	e Adva	nces	(Catch	We	ghts)	
Nos.				•		Galva	inized.
6 to 9	Base	. .				80.40	extra.
10	\$0.05 a	dvance	over	base		.40	44
11		44	**	"		.40	"
12 and 12 1/2	15	44	**	"		.40	**
13	25	••	**	**		.40	**
14	25	44	**	"		.40	••
15	45	**	**	44		.75	44
16	55	**	**	**		.75	44
17	70	**	44	44		1.00	**
-T A	-						

Cordage: The Rope market is without material change, and we continue the quotations named in our previous issue, which represent the present market.

	Pounas.
	Cents.
Manila, 7-16 inch and larger	. 18
Manila, 7-16 inch and larger% inch	. 1814
¼ inch and 5-16	14
Sisal, 7-16 inch and larger	. 91/4
% inch	914 934 1014 816 614
inch and 5-16 inch	1014
Lath Yarn, medium and coarse	. 816
Jute Rope, No. 1	. 616
No. 2	. 6

Linsced Oil: The following quotations are the latest announced by the Dean Linseed Oil Co.:

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In lots of less than 5 barrels.......61 cents per gallon. In lots of 5 barrels or more.......60 cents per gallon.
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The five-barrel price applies only to deliveries of that quantity at one time.

Boiled Linseed Oil, 2 cents per gailon higher than Raw. Calcutta Oil, 85 cents per gallon.

ALBANY TRADE.

A steady good business is reported from all sections, of which Albany is the centre. The excellent weather of the Fall has been improved by the buying public. The trolley lines leading to the cities carry back and forth the full capacity of their cars, and the retail merchants are kept busy supplying the wants of the suburban traders.

The recent change to colder weather and the first fall of snow has started orders from those not earlier supplied with their skates, sleighs, snow shovels and kindred goods. Carvers and other table cutlery are good sellers this Fall to help the housekeeper in celebrating Thanksgiving more thankfully than usual, because of the good times the prosperity of the country has provided. Plated ware, pocket knives, scissors, razors and manicure sets in their varied and novel patterns and mountings are selling well and make the Hardware dealer's store attractive and tempting when well displayed in holiday array.

The food chopper, the cleverest article for the kitchen, has proven to be a wonderful seller this Fall. A dealer here who made a special display and demonstration, showing samples of the work done by it in cuttings of raw and cooked meat, potatoes, carrots, beets, cabbage, coffee, citron, crackers, etc., all arranged on granite plates separately and on a white covered table, proving a very attractive display, with the demonstrator in his white coat and apron, succeeded in running off at retail between three and four hundred choppers in a little more than a week with a handsome return in cash as the result and a big advertisement of his store as well. A well planned "sale" of this character with details carefully looked after, stimulates business beyond one's expectations.

The tone of the market seems strong with but one or two exceptions. The manufacture of wire nails has been taken up by quite a number of factories outside of the big consolidation and this product is being distributed quite freely, but how long this competition will last is uncertain. Most other lines are steady as to price, and Spring orders usually placed at this time, are consequently being entered and in good volume.

A scarcity continues in some leading articles, popular makes of goods in various lines being difficult to get, a condition one would have thought most improbable three or four years ago. The outlook for a satisfactory close of the year with a good showing on the right side of the ledger is promising.

ALBANY HARDWARE & IRON Co.



THE PHILADELPHIA TRADE.

It is gratifying to report trade is keeping up in very good volume, and the cool weather of the past few days has stimulated it and caused an increased demand for holiday goods. Prices are firm and advances are constantly cropping out in unexpected places. These advances seem to be entirely free from any speculative element, and are simply caused by the increased cost of material.

Manufacturers complain that almost everything that enters into the manufactured article has advanced, and this includes all raw materials, such as iron, steel, wool, leather, oil, etc., while labor is better paid and more generally employed than for years past.

It is very evident that the people have money to spend, and good trade does not by any means appear to be confined to our own line of business.

Cut Nails are in great demand, and exceedingly scarce, and for some time past it has been very difficult to get goods, and the manufacturers tell us, not only is it hard to get raw materials, but they frequently find it impossible to get the cars to carry the goods.

Under such circumstances, it is hardly surprising that the price of Cut Nails is rapidly approaching the price of Wire Nails, and they are now nearer together than ever before.

BIDDLE HARDWARE Co.

THE BALTIMORE TRADE.

Trade in this section the early part of the month was very quiet owing to the election, but at present it seems to have recovered its usual vigor and is keeping us moving lively. There are few changes to note in either the prices of goods or the ability to get prompt shipments of certain lines such as axes, loaded shells and a few others. Prospects for a good Spring business are most encouraging. Collections continue good.

II. W. Webb & Sons.

THE PITTSBURGH TRADE.

We are having a spell of rough weather just now which has made Winter goods move out rapidly. Have never had such a run in Gas Heating Stoves, while Horse Blankets and other cold weather goods are in good demand. Guns and Ammunition have also been very large in sale this Fall. The activity of the Steel and Coal and Coke trades makes a good demand for the general line of Tools and Hardware.

We can with sincerity give thanks for another year of good business and good prospects for the future.

LOGAN-GREGG HARDWARE Co.

THE CLEVELAND TRADE.

Trade continues good and prices remain firm except on a few lines, where new mills are coming into market with instructions to their salesmen to undersell. This is a picnic for brokers and shows a lack of business sense in manufacturers. Only for the action of the larger mills in ignoring, a general demoralization of business would follow.

Manufacturers authorizing a cut of 10 cents below any other price, is a direct bid to bankrupt its stockholders and demoralize business. When the large manufacturers decide to meet their price until receivers' sales close out outside mills, we shall have a repetition of '93, and then must pay abnormally high prices again to recoup the losses, but this will not benefit wrecks caused in the scramble. It is better for all concerned that prices should be based on the cost of manufacture, and manufacturers who cannot figure costs should have no place in business.

It may seem brave, but it is not discreet for bulls to butt engines; it would be wiser for them to be content to feed by the side of the track.

Competition may be the life of trade, but it has often been the death of stockholders and seriously crippled the business of the country.

The Lockwood-Taylor Hardware Co.

THE CHICAGO TRADE.

Business with us continues to keep up wonderfully well, and the outlook at present is very bright and promising for the continuance of same. Prices on all lines are very firm, and while advances, thus far, have been very few and slight, we look for higher market values in a general way in the near future. Goods for Spring delivery, orders for which are now being placed for future shipment, are selling very rapidly, and it is crowding our salesmen to the utmost to take care of this business, in addition to the regular current Hardware orders. The trade seems to realize the fact that present prices are very low, and fearing that the markets will advance, are taking advantage of the prevailing condition.

Steel makers throughout the country, so far as we can learn, are utterly unable to cope with the present demand for raw material; consequently most all manufacturers are considerably behind in the execution of our orders, and it is an exceedingly hard matter to get goods to keep our stock supply up to the usual limit. We are afraid that this will be even worse when the Spring season opens up proper, and are ourselves anticipating shipments, so as to have a good stock on hand prepared to take care of our regular business, as well as the increase that we are enjoying, with our usual promptness and dispatch.

Wells & Nellegar Co.

THE MINNEAPOLIS TRADE.

Business is good in all lines. We are having beautiful Fall weather, and out-door work, as far as the building line is concerned, is being carried along practically the same as during the Summer months. The only serious trouble is the price cutting that we have already complained about. The T. M. Roberts Supply Co., has been re-organized, the business having been purchased by some of the largest creditors and is being continued.

The farmers have had excellent weather for threshing and Fall plowing. They are getting fair prices for wheat and good prices for flax, and are, on a whole, in a very prosperous condition. The price of farm lands comes pretty near telling the story as to the conditions of the farmers.

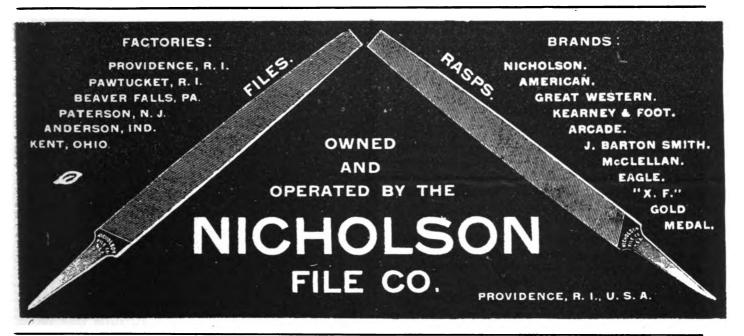
In the northwestern part of North Dakota a school section was about to be put on the market. There were three parties ready to pay \$20 an acre cash, and this for unbroken land without any improvements on it. This was 20 miles from the railroad and 500 miles from Minneapolis.

On a recent trip, about 75 miles southeast of the Twin Cities, we found that farm land there was being held at \$60 per acre. If farming didn't pay and farmers were not generally prosperous, land would not bring in such figures.

W. K. Morison & Co.

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Wire nails were first manufactured in the United States in 1851 in New York.



THE SAN FRANCISCO TRADE.

Hardware dealers and allied trades people are alive with feelings attuned to appropriate Thanksgiving Day thought, and to better afford an opportunity that will seem more like an "at home" occasion than the formal Thanksgiving Day for discharging good-feeling sentiment from their overstocked hearts, a night of the week following the day President Roosevelt has set apart for public acknowledgment to the people's common Benefactor, has been selected by the San Francisco and Oakland Retail Hardware Dealers' Association, and the following quartette of Hardwaremen have been appointed the Committee of Arrangements: Al Jones, manager of the Alexander-Yost Co.; William Brown, of Chas. Brown & Sons; Geo. M. Hickman, of the Geo. M. Hickman Co., and Henry L. Howse, of Howse Brothers.

Charles M. Curtis, Hardware department manager of the Dunham, Carrigan & Hayden Co., who returned a few days ago from a New York business trip, is slated for an early day address before the local retail Hardware association.

A. L. Scott, of Miller, Sloss & Scott, who returned last week from a New York visit, in speaking of the combination project that, has been several times noted in this correspondence of late regarding industrial interests of San Francisco, involving the consolidation of leading wholesale Hardware and iron and steel houses, said:

"The proposition of such consolidation was first called to my attention by a New York business man, who informed me that it was current rumor in Hardware circles in New York that the wholesalers of San Francisco intended to enter into a combine."

Mr. Scott was emphatic in saying that the proposition had never been discussed by him with any member of the Pacific Coast jobbers alleged to be in the deal. He did not believe such a consolidation would be effected at an early date, if at all.

INDUSTRIAL PRESS ASSOCIATION.

New England Hardware Dealers' Association.

The regular monthly meeting of the New England Hardware Dealers' Association was held on Nov. 13th at the United States Hotel, Boston. The meeting of the Executive Committee as usual preceded the dinner, which was served at 5:50 P. M., and attended by nearly 50 members and their guests. President George W. Burditt occupied the chair, and when the dinner was brought to a conclusion, introduced as the principal speaker of the evening Congressman Samuel L. Powers, representing the Eleventh District in Massachusetts, and he entertained the members with an extremely enjoyable address on a peculiarly Boston subject, "The Typical American."

Mr. Powers said that the typical American was the average American, one possessing the characteristic traits upon which the national character was founded. These traits were industry, thrift, love of education, courage, good nature and patriotism. We were a nation of workers and the loafer had no place under the Stars and Stripes. There were 27,000,000 of people in the United States engaged in the gainful occupations. Of this number more than 17,000,000 were wage earners and constituted a tremendous moral and political force in upholding American institutions. Thrift was the ability and capacity for accumulating wealth. The valuation of the property possessed by the American people amounted to 90,000,000,000 of dollars, of which 25,000,000,000 were accumulated during the decade from 1890 to 1900. This sum was greater than the entire property accumulated from the landing of Columbus down to the breaking out of the Civil War, and the present valuation of property possessed by the American people was greater than that which had been accumulated by all races through all ages from Adam down to the time of the adoption of our Federal Constitution in 1789.

Referring to our railroad system, Mr. Powers said that the American people had constructed and equipped during the last sixty years 180,000 miles of railroad—enough in extent to encircle the globe seven times and leave a surplus sufficient to build a line from Boston to San Francisco. He referred to the adoption of methods of economy which had proved so essential to industrial development and cited as an illustration the fact that the charge in 1837 for transporting a ton of freight one mile was 7 cents, while in 1890 the charge was only three-fourths of 1 cent.

Referring to our love of education, he said that the American people fully recognized that the safety and security of free institutions depended upon the intelligence of the masses, and that we expended last year \$200,000,000 for free, compulsory education of our people, this sum being more than was expended by Great Britain, Germany, France, Belgium, Italy and Spain combined.

He said that courage was a characteristic trait of Americans and was so recognized by the world since the day when Captain Parker with his undisciplined band of men and boys met the regulars on Lexington Green down to the night that Dewey sailed into Manila Harbor over the submarine mines and beneath guns of frowning forts.

Referring to the good nature of the typical American, he told many stories to illustrate this characteristic and closed with a tribute to American patriotism.

At the conclusion of Congressman Powers' address, L. H. Pease, of the Stanley Works, New Britain, Conn., was called upon and made a brief speech. A vote of thanks was given



Mr. Powers for his able effort. The proceedings were enlivened by vocal music given by James W. Calderwood. D. Fletcher Barber, Henry M. Sanders and James A. Farless were announced as the Entertainment Committee for the meeting which will be held on December 11th, which will be celebrated as the Annual Ladies' Night of the Association.

Importance of Trade With Mexico.

The renewed attention to trade conditions between the United States and the American countries lying south of her borders, due in part to the meeting of the Pan American Congress at the City of Mexico, lends special interest to a statement by a British official in Mexico, Consul General Biorklund, which has just reached the Treasury Bureau of Statistics. That officer calls attention sharply to the fact that in the one American country at the South with which the United States has satisfactory transportation facilities, Mexico, the trade of the United States has vastly outgrown that of other nations. Fifty years ago the trade of Mexico was carried on by British houses, and as late as 1872-3 was in a fairly flourishing condition, but since the opening of the Mexican Central and Mexican National Railways, American manufacturers have yearly increased their trade with the Republic. To-day the British trade is confined to a few agencies (there being no important commercial establishment), who, by means of samples and catalogues, undertake the execution of orders. Some of the large British houses employ travelers, who can always count on their usual customers for orders; but other houses frequently send out such unsuitable men, often foreigners, that they are unable to get a single order. Mr. Biorklund calls attention to the following points that have been very much overlooked by many British traders:

"There are over 900 different classifications in the Mexican tariff, and lists of articles that clearly specify those in which a doubt might exist, are issued by the Minister of Finance. With these (which can be obtained on application) and the original tariff, there is no reason why so many mistakes should be made in consular invoices. More care should be taken in drawing up these documents, which duty should not be left to junior clerks, as is too often the case. Mistakes are of daily occurrence, with consequent fines, and the consignee has mostly to suffer the loss. All these difficulties could be obviated if there were a more careful observance of the tariff regulations.

"More attention is required to the question of packing. This does not consist only in a good outer case (which in many cases is better than the boxes made on the Continent), but it is the way the contents are packed in the case. Merchants or customers abroad often give instructions as to the packing of certain articles, not only to secure their safe arrival, but also on account of the duties that may be leviable on those goods. If these instructions were properly carried out, it would save a great deal of trouble on both sides.

"Great delay in execution of orders in the United Kingdom is another serious drawback to the extension of trade. Orders from Mexico could certainly be filled in, say, three months, but it is often more than double that before shipment is advised. This has more than once been the cause of important orders being sent to the United States or some European country where the order has been filled at once.

"Still another point that deserves the attention of the British trader in general is the failure to give estimates or descriptions when asked for. In such cases an order may depend upon a full and intelligible description being given to the would-be customer in metric weights and measures."

The relative growth in the exports of the great nations to Mexico, referred to in the above statement of Consul Biorklund, is accurately measured by the following table prepared by the Treasury Bureau of Statistics, which shows the value of the exports of the United States, United Kingdom, France, Germany and Spain to Mexico in each year from 1887 to the latest attainable date, in millions of dollars:

EXPORTS OF MERCHANDISE FROM THE UNITED STATES, UNITED KINGDOM, FRANCE, GERMANY AND SPAIN TO MEXICO (in Millions of Dollars.)

	United	United			
Year.	States.	Kingdom.	France.	Germany.	Spain.
1887	7.9	5.8	7.6	1.1	1.3
1888	9.9	6.7	8.5	1.6	1.3
1889	11.5	7.9	10.8	3.5	1.6
1890	13.2	9.8	10.7	3.5	1.8
1891	14.9	9.5	8.8	3.4	1.5
1892	14.3	7.2	6.8	2.9	1.4
1893	19.6	6.1	5.4	2.9	1.3
1894	12.8	6.4	5.8	$\bar{2}.\bar{7}$	1.3
1895	15.0	8.1	7.5	4.0	1.5
1896	19.5	8.2	6.4	8.7	1.7
1897	23.4	8.4	5.1	4.8	1.5
1898	21.2	9.3	5.8	4.9	2.1
1899	25.5	10.7	7.1	5.4	2.9
1900	34.9	10.5			
1901	36.5				

HARDWARE PATENTS.

The following list of Patents, Trade Marks and Designs of interests to the Hardware trade are furnished by Davis & Davis, Solicitors of American and Foreign Patents, Washington, D. C., and St. Paul Building, New York City.

PATENTS EXPIRED NOV. 11, 1901.

307,761. Broom Holder, H. Harger, Delhi, Iowa.

307,767. POCKET KNIFE, I. W. Heysinger, Philadelphia, Pa.

. 307,778. FAUCET, W. A. Leggo, New York, N. Y.

307,781. STAPLE-LOCK, G. W. Leuchtenburg, Cincinnati, Ohio.

307,787. COMBINATION TRY AND BEVEL SQUARE, H. W. Merrill, Lynn, Mass.

307,805. SASH FASTENER, A. G. Safford, Boston, Mass.

307,821. RAZOR STROP, Z. B. Wakeman, Chicago, Ill.

307,848. Tool for MAKING LOCK MORTISES, S. W. Drowne and D. K. Hubbard, Norwich, Conn.

PATENTS ISSUED NOV. 12, 1901.

686,244. Automatic and Reversible Sheet Metal-Weatherstrip for Doors, C. A. Armantrout, Seymour,

686,262. Wheelbarrow, G. C. Cone and F. J. Cooper, Toledo, Ohio.

686,268. SHAVED ICE PERFORATOR, E. G. De Ry, Seattle, Wash.

686,345. SASH FASTENER, E. Schindler, Eaton, Pa.

686,399. Saw, W. T. Heorge, Liberty, Mo.

686,424. Screwdriver Kit, W. J. Smith, Lowville, N. Y., assignor to W. H. Egleton and J. N. Smith, Lowville, N. Y.

686,437. WRENCH, G. W. Boozer, Memphis, Tenn.

PATENTS EXPIRED NOV. 18, 1901.

308,055. SASH FASTENER, I. N. Buck, Elgin, Ill.

308,057. SHUTTER WORKER, H. Camus, St. Louis, Mo.

308,089. ROLLER SKATE, F. B. Mueller, Decatur, Ill.

308,145. TRY SQUARE, W. B. Edwards, Unionville, Conn.

308,198. Proportional Balance, D. L. Roberts, Royalton, N. Y.

PATENTS ISSUED NOV. 19, 1901.

686,745. WAGON JACK, F. P. Lutz, Millhall, Pa.

686,750. Device for Securing Handles to Sawblades, E. Morris, New Haven, Conn., assignor of one-half to G. E. Morris, New Haven, Conn.

686,766. Door Hanger, A. Rochwite, Kingston, Wis., assignor of one-half to W. R. Hammond, Wautoma, Wis.

686,774. Door HANGER, W. B. Smith, Chicago, Ill.

686,776. WRENCH, T. E. Smyth, Galion, Ohio.

686,812. SKATE, A. Kiss, Jr., Kalacsa, Austria-Hungary.

686,869. Self-Closing Window, E. Van Noorden and H. C. Smith, Boston, Mass.

686,882. PADLOCK, W. R. Ballou, Stamford, Conn., assignor to The Yale & Towne Mfg. Co., Stamford, Conn.

Some o' the worst cigars I know of has the purtiest picture on the hox

Simon Frost says ye can't jedge a man by the size o' his hat.

AMES SWORD CO., Chicopee, Mass.

BOYS' SWORDS AND BELTS.



Here is a novelty for your Christmas trade.

Not a toy, but a real sword, same as worn by officers of the U. S. Army, reduced in size.

It will make a fine addition to your show-case display.

WRITH FOR PRICES.

WILL DO MORE WORK

WITH LESS EXERTION AND HOLD ITS CUTTING EDGE LONGER THAN ANY OTHER BRAND.

DISSTON SAWS_

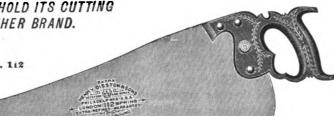
Are Fully Warranted

As to

Material

and

Manufacture.



Owing to the Demand for a SKEW BACK SAW

of the superior quality and finish of our No. 13 we have placed on the market the No. 113.

HENRY DISSTON & SONS, Inc.,

Keystone Saw, File, Tool and Steel Works, PHILADELPHIA, PENNA.

Improved Carpenters' Tools.

SOLD BY ALL HARDWARE DEALERS.

1902 Model eady for delivery Jan. 1st.

Removes cut and dead grass, leaves, refuse, etc., from the lawn and sweeps SIDE-WALKS, PAVED STREETS and **FACTORY FLOORS!** Made right, looks right, is right and guaranteed.

THE GREENE MFG. CO.,

JOBBERS

wanting a 1901 NOVELTY, that is a 1902 NECESSITY, must handle

> THE "APOLLO" LAWN-SWEEPER

20, 24 and 28

Inch Sweep. Write for booklet and discounts.

12 East St , Springfield, Ohio, U. S. A.

AMERICAN RAILWAY SUPPLY CO.,

24 Park Place, NEW YORK.

MAKERS OF

Door Numbers, Hotel Key Tags, Metal Figures of Letters.

One of the Best Mediums Known.

C. T. Williamson Wire Novelty Co., Newark, N. J. [Corkscrews]: To present new goods to the trade we consider HARDWARE one of the best mediums

FRYING-PAN CLOCKS

Are unique and ornamental as well as useful. They come in two sizes, 10 in. dial, with raised figures, and 6 in. dial, with painted figures. . .

Also Tile, Program and 60-Day Clocks. SEND FOR CATALOGUE NO. 1000.

The Prentiss Clock Improvement Co.,

Dept. 100, 49 Dey St., New York City.

The Miller Catalogue Cabinet Co.

ROY MILLER, Pres. H. KELLY, Sec.

Complete Index Systems and Cabinets for filing Catalogues, Price Lists, etc.

Box 60, Alma Centre, Wis. 89-41 Cortlandt St. New York.



- Washington Hardware Association.

The third annual convention of the Western Washington Hardware Association convened at Tacoma November 13 and 14.

The most important piece of business transacted was the passage of a resolution by which the association will hereafter be known as the Washington Hardware Association, instead of the Western Washington Hardware Association.

This action was made necessary by the fact that several Eastern Washington members had been admitted and others living in that section of the State were desirous of joining. The Hardwaremen have found that much good has resulted from the work of the association, and the State organization will be able to accomplish more than when representing but half of the State. The question of affiliation with the National Hardware Association was brought up during the meeting and it was decided to exert special efforts to building up the State organization for another year, and at the next annual meeting formal application for membership in the National Association will be made.

ANNUAL ELECTION OF OFFICERS.

The report of the secretary showed that the organization is in a prosperous condition, both as to finance and member-The following officers were elected for the ensuing year:

President, Henry Mohr, Tacoma.

Vice-president, F. M. Scheble, Wenatchee.

Secretary, D. G. O'Brien, Seattle.

Treasurer, C. W. J. Rickers, Seattle.

William M. Olive, of Mission, and the above-named officers compose the Executive Committee. Messrs. Mohr and Rickers were re-elected to their respective offices. It was decided to admit traveling men, representing Hardware firms and corporations, as honorary members of the association.

The following members of the association were present:

Henry Mohr, Tacoma; C. W. J. Rickers, Seattle; R. I. Morse, Whatcom; J. W. Campbell, Seattle; Charles Hood, Puyallup; C. D. Patch, Seattle; Mills & Cowles, Olympia; William Christensen, Ballard; J. F. Wellborn, Whatcom; Thomas Moran, Arlington; C. S. Enger, South Tacoma; F. M. Scheble, Wenatchee; A. Gehri, Tacoma; George L. A. Forck, Tacoma; W. M. Olive, Mission; G. W. Shannon, Anacortes; A. M. Bryant, Buckley; Frank T. McNitt, Centralia; Mr. Osgood, Everett; D. G. O'Brien, Seattle.

THE BANQUET.

The most thoroughly enjoyable feature of the convention proved to be the banquet, held at the Hotel Tacoma. orchestra was in attendance, and an excellent menu was served, beginning at 7:30 o'clock. After the banquet had been partaken of and cigars lighted, Frederic Mottet, as toastmaster, introduced the first speaker of the evening, President Henry Mohr, of the association, who responded happily to the toast, "Our Guests," and extended a hearty welcome to the visitors present.

C. W. J. Rickers, of Seattle, followed with an address upon "Our Organization and Officers," explaining the scope of the association, which now numbers fifty-two members, its aims and objects, and especially complimenting President Mohr, who had been honored with re-election by the association. George Boole, of Seattle, then spoke upon "The Jobber and the Retailer," outlining the difference between the two branches of the trade.

OTHER SPEAKERS.

"Our New Possessions" was the topic assigned to C. H. Baker, whose remarks were of a humorous nature. Strong spoke upon "The Press," after which "Our State and Its Industries" was discussed by Henry James, who pointed out the commercial growth of the State and its great future. "The Ladies," by Frank Cole, of Tacoma, was one of the

amusing addresses of the evening, Mr. Cole treating the topic much as he treated the babies at the Puyallup Fair baby show. R. I. Morse, of Whatcom, spoke upon "Co-operation and the Advantages to Be Gained by It," after which a large number of impromptu toasts were responded to.

"Do It Now's" for the Dealer.

What short phrase can be of more importance in the saving of money and trouble in the career of the ordinary business man than the one, "Do It Now?" Is there any merchant who, as he reads this phrase, cannot recall to his memory numerous incidents that occurred where money could have been saved if he had taken the prompt action implied in our subject? I think not. Therefore, it is not out of place for me to give a few suggestions where prompt action could be used to advantage, so that those who read may learn.

If your stock of a certain article is running low and you think it time to order more, don't wait until the last package has been sold and another customer in the store for the same article that must be dismissed with the phrase, "Just out." Don't delay until such time, I say, but send your order and "Do It Now."

Some line of goods you purchased may not meet with the approval of your customers, and therefore it remains upon your shelves. You think it time it should be placed upon the bargain table to be turned into ready cash. Don't put off this necessary action until the goods become unsalable—turn your thoughts into actions and "Do It Now."

When you receive a telephone order, don't proceed to wait on the other customers before entering the 'phone order, but "Do It Now."

If your window display has been greeting the eye of the public for the past three months or more, and you think a change would do it good, don't delay; follow up your thoughts and "Do It Now."

When a customer in haste gives you an order at the door, don't trust to your memory to remind you of that order at your leisure, but make a memo of it, and "Do It Now."

If a shipment of goods arrives, don't leave the checking of weights and numbers of parcels until to-morrow, but "Do It Now." Short weights and breakages must have immediate attention if allowances are desired.

If you advertise in the daily newspaper to obtain best results, change your advertisement every day. Don't let the same copy appear from day to day until several weeks are past. Consider the possibilities of extra business from changing an advertisement and "Do It Now."

If a draft from your whosesaler is presented, don't think it nerve on his part, asking for your acceptance; but if you can possibly fulfil the requirements of the draft, accept it, and "Do It Now."

If a note soon falls due for which you haven't sufficient funds on hand at present to meet its requirements, don't delay making preparations to fulfil your obligations. a start to collect some of the outstanding accounts, and "Do It Now."

If your delivery system fails to get customers' goods to their homes at the promised time, which causes customers to complain, don't wait until your complaining customers are dealing at the place across the way before making the necessary change, but "Do It Now."

Don't let unscrupulous travellers, by holding out tempting offers, persuade you to overload yourself with slow selling merchandise. The chief evil arising from overstocking, financial embarrassment, may, perchance, overtake you. Make up your mind once and for all that you will only buy in quantities to suit your trade, and "Do It Now."

To make a success of your business don't know too many of your neighbors' business methods; for, in condemning these to your customers, you but give your neighbor a free advertisement. Make up your mind to know only your own business, and "Do It Now."—Ex.

100 Shot Rifle Championship Match.

On Election Day, November 5, there was a match of unusual interest shot at Schuetzen Park, Greenville, Jersey City, N. J. This contest was for the 200-yard outdoor championship of Greater New York and vicinity. This match has been shot for several years past, and is regarded as one of the great events in the match rifle circles of this country.

While this particular contest is confined to New York City and vicinity, riflemen in different parts of the country have become so interested in the event that it is customary to shoot a similar match elsewhere, in order that their scores may be compared with the Eastern experts.

The event this year was a hard fought contest for supremacy. It was won by F. C. Ross, of the Zettler Rifle Club and the Elite Schuetzen Corps, formerly of Brooklyn but now of Chicopee Falls, Mass., his score being 2,238 points. The conditions of the match were 100 shots on the German ring target at 200 yards, off hand, a severe test of skill for any marksman. Mr. Ross attributes his victory largely to the powder he used, which is King's Semi-Smokeless FG brand, loaded in Peters Cartridge Co.'s Shells.

Dr. W. G. Hudson, of New York City, and L. P. Ittel, of Pittsburgh, Pa., winners of the second and third places respectively, used King's Semi-Smokeless Powder. The records of the contest show that the first nine men used this powder, and out of the sixteen contestants in the match, fourteen used King's Semi-Smokeless Powder, which attests the popularity and confidence placed in this powder. Peters' Metallic Cartridges are all loaded with King's Semi-Smokeless Powder and the superfine work with this ammunition shows how wonderfully perfect ammunition of to-day is made.

Weather Forecasts.

There have been more formularies by which to forecast the weather than we could keep in view. Upon consulting London Notes and Queries (1856) we find the following chunks of weather wisdom, which, we trust, will gratify our young correspondent:

A rainbow in the morning gives the shepherd warning. That is, if the wind be easterly; because it shows that the rain cloud is approaching the observer.

A rainbow at night is the shepherd's delight. This is also a good sign, provided the wind be westerly, as it shows that the rain clouds are passing away.

Evening red and next morning gray are certain signs of a beautiful day.

When the glow worm lights her lamp, the air is always damp.

If the cock goes crowing to bed, he'll certainly rise with a watery head.

When you see gossamer flying, be ye sure the air is drying. When black snails cross your path, black clouds much moisture hath.

When the peacock loudly bawls, soon we'll have both rain and squalls.

When ducks are driving through the burn (brook), that night the weather takes a turn.

If the moon shows like a silver shield, be not afraid to reap your field.

But if she rises haloed round, soon we'll tread on deluged ground.

When rooks fly sporting high in air, it shows that windy storms are near.

If at the sun rising or setting the clouds appear of a lurid red color, extending nearly to the zenith, it is a sure sign of storms and gales of wind.



♥BUY →

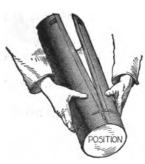
The Triumph Adjustable Stove Pipes

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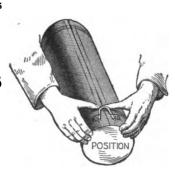


What is more convincing of the merit of goods than to have your customers send in re-orders for double and treble their first order.

We do not sell to Department Stores.

THE TRIUMPH ADJUSTABLE STOVE PIPES

are easy to put up and take down, and can be nested in small bundles for storage. We ship in crates of 25 joints. The Triumph Adjustable Stove Pipes can be put across a room 18 to 20 feet wide, without wiring and be solid and tight



WRITE US FOR CATALOGUE AND PRICES



The Triumph Adjustable Stove Pipe Mfg. Go. Joliet, Ills.

'PHONE 144.



Putting up the Triumph Adjustable.





Hardware dealers, the country over, are requested to contribute to this page. News of ew stores, changes, improvements, etc., will be gladly received, and promptly published.

Incorporations, New Stores, etc.

Aberdeen, S. D.-Keane & Champlin. Albany, N. Y.-Waterman Hardware Co. Appleton, Wis.-George Schierdermayer. Atchison, Kan.-J. M. Hull.

Baldwin, N. Y .- James Whitehouse has opened a plumbing and Hardware store in the Smith Building.

Bentonville, Ark.-The McAndrew Hardware Co.

Cameron, W. Va.—Cameron Hardware Co.

Columbiana, O.—B. S. Gorby. De Forest, Wis.—Robert Heisig. Elburn, Ill.-Anderson & Warne.

Foley, Minn.—Harry Bouck. Fulton, Mo.—The Judt-Craghead Hardware Co.

Greenwood, S. C.—The Secretary of firm name will not be changed. State has issued a commission to the E. D. Congerville, Ill.—I. N. Bobz and J. L. Andrews Co., which is to deal his stock of implements and Hardware to in wholesale groceries, Hardware, etc. The F. McCullough and B. Sharp. capital stock is to be \$20,000. The corporators are E. D. and J. L. Andrews.

Jackson, Miss.—Thos. McClelland.

Jeromeville, O.-Carl Bros., of Shreve, have opened a Hardware store in the Miller block. They have a nice stock, but not building an addition to his Hardware store. Juniata, Neb.-D. R. Ball & Son. quite all in yet.

under the firm name of Copeland & Co. about the first of the month. has begun business in Lebanon. The firm is composed of John and Harry Bohanon stock has been sold to T. B. Vallett, of and L. W. Copeland.

London, Minn.-Sherman Hyatt.

Louisa, Va.-Arthur Dickerson Spotsylvania, has bought the James pro- Richard & Haas their stock of Hardware. perty on the corner of Main and Church Streets, and has opened a large Hardware Marue & Reinhart have dissolved, H. Maestablishment.

Ludlowville, N. Y.-Will Miller and his store in the Allen block in the near future.

Nampa, Idaho-Malpus & Moore.

Neillsville, Wis .- The Schroeder Hardware Co. has been incorporated; capital, \$3,000, by H. W. Schroeder, Henry Hahn and Henry Schroeder.

Otisville, Wis .- J. O. Nelson.

Ottawa, Ont.—Incorporation by letters with a capital stock of \$1,000,000.

merly of Graceville, Minn., is the name of a new firm which has opened a general purchased the stock of Hardware and im-Hardware and plumbing business at Sisse- plements of Wilcox Bros. and will take ton. Alex. Gilmer, the junior member of possession the latter part of the present the firm, will have personal charge of the month. business.

\$2,500.

Changes and Improvements.

Armington, Ill.-W. H. Davidson has his Hardware store to Geo. Malsbary. sold his Hardware store to G. W. Cruse and Bert Stroud.

Bath, N. Y.—The George W. Peck Co. store of A. B. Williams. is taking steps to open a large wholesale Hardware jobbing house on Chambers Street, New York, the first of the year.

Bemidji, Minn.-The firm of McLennan & Graham has been dissolved.

Canistota, N. D.-Scott & Haden are succeeded by Scott & Uecker.

Carlisle, Pa.—Barr Swigert has sold his one-fourth interest in the Hardware business of H. A. Barr & Co. to J. D. Alcock, of Glenwood, Md.

Chamberlain, S. D.-T. A. Metcalf, of Correctionville, Ia., has purchased the Hardware and implement business of M. C. Pease.

Columbus, Ga.—Columbus Hardware Co. are succeeded by Polk & Harris, but the

Congerville, Ill.-J. N. Bobzen has sold

Connersville, Ind.-Carl C. Smith, the Hardwareman, has commenced to move his stock of goods to his new rooms in the Newkirk block on North Central Avenue.

Cooksville, Ill.—Harvey Crumbaker is

Cygnet, O.-Mont. Clouse has fitted up the store formerly occupied by F. S. Shoff-Lebanon, Ind. - A new Hardware firm stall and will move nis Hardware stock in

> Emporia, Kan.—The Lewis Hardware Glen Elder, Kansas.

Farmer City, Ill.-P. D. Harper and O. of H. Holmes and son have purchased of

Fergus Falls, Minn.—It is reported that rue continuing.

Florence, S. C.—The Florence Hardbrother contemplating starting a Hardware ware Co. is building a large two-story brick warehouse in the rear of its store on Co. · Evans Street.

Frankfort, Kv.-C. E. Collins will remove his Hardware store from Broadway to his new place of business in the new Ringold building on the corner of St. Clair and Broadway.

Gardiner, Me.-Charles Morse has purpatent has been sought for the J. H. Ash- chased the Hardware and stove store of down Hardware Company, of Winnipeg, the William Wiley estate and has taken possession of the place. He will continue Sisseton, S. D.-O'Neil & Gilmer, for- the business under his own name.

Griswold, Ia.-R. K. Eby, of Adair, has

Lancaster, Ky.-K. F. Postel has closed Valatie, N. Y.-The Valatie Hardware a deal with J. C. Robinson for the latter's Co. has been incorporated with a capital of large stock of Hardware and will take full possession the nrst of the year.

Linden, Ind.-John McCallum has sold

Martinsburg, Ia.-Glenn Dutton, of Richland, has purchased the Haw Hardware

Milwaukee, Wis .- The William Frankfurth Hardware Co. has purchased a fiftyfoot lot of G. G. Houghton on West Water Street and will erect a five-story building for its own use. The purchase price was \$39,000.

Minneapolis, Minn.—The Gradner-Warner Hardware Co. has filed an amendment to its articles of incorporation and will henceforth be known as the Gradner Hardware Co.

Norway, Mich.-R. C. Oliver has sold to Charles H. Treiber, the Hardwareman, his saloon and residence on Main Street, and Mr. Treiber will immediately fit it up for his Hardware business.

Plainwell, Mich.-O. B. Granger and son, Clayton B., have bought the Hardware stock of Young & Co. at Albion and will take possession January 1, 1902.

Burglaries.

Berea, O. - Lawrence & Brightman, \$100,000.

Fairfield, Wash.-Loy Hardware Co. \$125.

Lancaster, O.-H. A. Martin, \$125. London, Ky.—Barnett Bros., shotguns. Lorain, O.-Henry P. Kohlmeyer, \$200. Moorhead, N. Dak.-Sullivan & Charest, guns, etc.

Shippensburg, Pa.-G. F. Walter & Sons,

Recent Embarrassments.

Murfreesboro, Tenn.-Joe Nilson, Hardware dealer, has made an assignment, the liabilities being \$5,600 and assets \$5,800.

North Little Rock, Ark.—Lamberson & Lemmer.

St. Hilaire, Minn.-Anthony H. Wageant. Assets, \$2,894.83; liabilities, \$3,256,-Recent Fires.

Booneville, Miss.—Booneville Hardware

Cnicago, Ill.-Theo. Kruger, 141 Milwaukee, Avenue. Loss, \$500.

Clara City, Minn.—A. Erukamas & Co. Loss, \$15,000; fully insured.

Cooksville, Ill.-H. W. Crumbaker, Loss. \$6,000.

Delmar, Md.-J. G. Elliott. Loss, \$10,-

Glasgow, Mo.-Blocher & Huber.

Graf, Neb.-F. E. Toms. Loss, \$3,500; insurance, \$2,000.

Jennings, La.—Black Bros. & Co. Loss, \$6,000.

Knox, Ind .- J. M. White .

Portland Ore.—Fire in the wholesale and joobing Hardware store of Corbett, Failing & Robertson recently created damage to the extent of \$50,000; fully insured.

St. Joseph, La.-W. A. Carter & Co. Loss, \$100.000.





然识图以 YOU SEE

BEARING THIS LABEL

You may be sure

they are the best made.

CARRIAGE VARNISHES. RAILWAY VARNISHES, PIANO VARNISHES. FINISHES WOOD

VARNISHES AND JAPANS OF ALL GRADES, AND FOR EVERY USE KNOWN.

D

NEW YORK, 252 PEARL ST., BOSTON, 520 ATLANTIC AVE., BALTIMORE, 22E. LOMBARD ST. PHILADELPHIA, 26 & 28 N. FOURTH ST., CHICAGO, 15 & 17 LAKE ST., CINCINNATI, 304 MAIN ST., ST. LOUIS, 112 FOURTH ST., SAN FRANCISCO, 12 FRONT ST.

FACTORY & MAIN OFFICE, DETROIT.

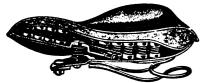
HANDLE VARNISH IT WILL PAY YOU TO DROP US A LINE.

E RIDER"



The Only Bicycle Seat made that is Absolutely Comfortable and Durable.

In the "Rider" Saddle we have all the objectionable features eliminated. Its unique features are its upholstered seat and adjustable nose.



e is Adjustable, Soft and Flexible, Hence impossible to hurt or injure. THE PRICE WILL SURPRISE YOU. Ask about it.

-MADE RY

RIDER SADDLE CO.

194 Grand River Ave., Detroit, Mich., U. S. A.



Only satisfactory device for the temporary attachment of all kinds of papers. Quickly applied and removed. Adopted by leading corporations as being without an equal. Samples free.

Price, 15 cents per box of 100.

\$338,000 Mm. 246-2 W. 2348t., N.Y.



NATIONAL STEEL JOIST HANGER. FOR WOOD HEADER AND BRICK WALLS.

THE NATIONAL IRON & WIRE CO.,

Structural and Builders' Iron Work.

Sole Makers, CLEVELAND, O.

GRANDLER & BARBER, F. B. HAWKINS CO., PALACE HAHDWARE CO., New England Agents, Boston, Mass.

New York Agents, New York, N. Y.

Pacific Const Agents San Francisco, (al.



STANDARD OF THE WORLD.—Awarded 12 Medals for PORTABIL-ITY, EMCURITY and GENERAL ADAPTATION for purposes intended.

Endorsed by fire underwriters everywhere. Reduces rate of insurance.

Used exclusively U.S. Life Saving Service, Railroads, Mines, Hospitals, Institutions, Banks, Breweries, Express Companies, Refineries, Hotels, Residences, Factories, Stores, etc. Compels the watchman to make systematic visits to every part of your property, and records his exact whereabouts during the entire night.

Write for Catalogue and Special Prices to Dept. C.

E. IMHAUSER & CO., 206 Broadway. New York.

"WILLOUGHBY" COKE AND COTTON SEED FORKS.



Are made exclusively from highest grade crucible steel manufactured expressly for our requirements.

Using only High Grades of Steel manipulated by the most approved methods and machinery, and by skillful workmen, we stand pledged to a high standard of excellence in all our various products.

Ask for catalogue and prices—they are interesting.

THE WILLOUGHBY FORK & MFG. CO.

Willoughby, Ohio.



Hardware manufacturers over the country, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc., will be gladly received, and promptly published.

New Incorporations, Etc.

Twine Co., Limited, has been incorporated. Hanbury, Frederick Nation, E. L. Chris- the Washington branch of the Pittsburgh, tie, William Zink, Peter Payne, William T. Johnston.

Mfg. Co. has been incorporated; capital, tal \$25,000; manufacture wrenches. \$12,000.

Franklin, Pa.—The charter for the Colburn Machine Tool Co., capital \$300,000, has been received and filed by W. H. Forbes. The directors of the company are Gen. Charles Miller, Gen. John A. Wiley, L. H. Colburn, of Toledo; H. W. Breckenridge, E. P. Breckenridge, of New York; \$5,000. J. S. Coffin, A. F. Miller, John A. Wilson, Henry J. Colburn, Toledo, and Irving W. Stove Works, of Chicago, have filed arti-Colburn, of this city.

Gorham, Me.—The Simmons Meadow Scythe Rifle Co. has been organized at stock, \$50,000. A plant will be built in this Gorham for the purpose of manufacturing and selling scythe rifles and other sharpening instruments, with \$10,000 capital stock. The officers are: President, J. S. hands. Simmons, of Gorham, Me.; treasurer, J. S. Simmons, of Gorham, Me.

Jersey City, N. J.—Harris Acetylene Stove Co., 15 Exchange Place, has been incorporated; capital, \$100,000. The incorporators are John Harris, S. H. Smart Cook, of this place, and brother, John M. and John H. Smart.

been incorporated with \$3,000 capital stock by Harry T. Collins, John A. Flodding, Frank Trotter, Cassius M. Day and Henry cated on Suffield Street, Hartford. S. Wilson.

has opened an independent plant at Manns. miller. The factory has a capacity of 1,500 finished shovels. axes per day.

New York, N. Y.-The Tafts-Pierce Mfg. Co. has been incorporated to manufacture machines and tools. Capital, \$300,-Woonsocket, and H. B. Thayer and A. L. Salt, of New York City.

Bread Cutting Machine Co. has been in- tions are being built now. C. J. Vann, W. D. Silkworth and George of the nail mill. Silkworth, of Brooklyn.

has been incorporated; capital stock, \$60,- nee and Adams Street, will double the 000. Incorporators, Charles Rystrom, Chas. capacity of its plant. The plant now gives H. Smith and James C. Fesler.

Simpson, W. L. Clark and George A. about 200 men.

Simpson, of Pittsburg. They were aurange plant. The plant will comprise a foundry, a machine shop and sheet metal type. The plant will be erected on a site Capital, \$100,000. Incorporators: John of four acres situated at Canonsburg, on Cincinnati, Chicago & St. Louis Railway.

Park Ridge, N. J.-Widness Mfg. Co., Cleveland, O .- The Cleveland Wrench & Lawn Street, has been incorporated; capi-

> Spokane, Wash.-Spokane has a new stove foundry, which already is doing a rushing business, and gives regular employment to a force of eight men. company operating this establishment is the Washington Foundry Co., which was incorporated last Summer with a capital of

> St. Joseph, Mich.-Officers of the Illinois cles of incorporation with County Clerk Church. Assessed stock, \$10,000; capital city. It is said the entire Illinois Stove Works, of Chicago, will be moved from Chicago to this city. They employ 400

> St. Louis, Mo.—The tool factory of P. H. Murphy, on Sixteenth Street and Missouri Avenue, has commenced business. It will give employment to a number of men.

Warehouse Point, Conn.-Willard B. Cook, of Hartford, have formed a partner-Leetonia, O.-The Leetonia Tool Co. has ship under the firm name of the J. M. & W. B. Cook Co., to carry on general machine work. At present their shop is lo-

West Manchester, O.-The J. Mfg. Co. Lewistown, Pa.-James H. Mann, for has been incorporated with \$24,000 capital seven years treasurer of the American Ax stock by J. W. Holtzmiller, John E. Leas, & Tool Co., who left that organization, J. M. Peel, J. W. Lees and E. D. Holtz-They will make spades and

Changes and Improvements.

Allentown, Pa.-The frame office building of the wire mill has been moved to the 000, and directors, Edwin J. Pierce, Jr., of southeast corner of Lehigh and Wire Streets to make way for the new galvanizing mill, 85 by 309 feet, which W. H. New York, N. Y.-Vann Automatic Gangawer & Co. will erect. The founda-The clerical corporated. Capital, \$10,000, and directors, force has temporary quarters in a corner

Armourdale, Mo.-The Strait Mfg. Co., Oregon, Ill.—Automatic Lock Nut Co. manufacturers of scales, located at Shawemployment to about 200 men. It is the Pittsburgh, Pa.-At a meeting of the intention of the management to build three stockholders of the Simpson Stove & Mfg. new buildings 100x200 feet each and a new Co., held at Canonsburg, the following di- boiler room seventy-five feet square. The rectors were elected: W. J. Gowern, S. S. new addition will be equipped with the lat-Munnel, Jr., of Canonsburg; H. Prescott est pattern machinery and will employ

Chicago, Ill.—The Cole Mfg. Co., stove thorized to proceed at once with the confounders, is about to begin the construction struction of buildings and to equip the of a new building in connection with its same so as to provide a modern stove and large plant at Thirty-fifth Street and Western Avenue. The plans have been completed by Architect M. J. Morehouse. The Brandon, Man.—The Brandon Binder and mounting shops of the most modern new structure will be three stories high and will extend over an area of 150x50 feet. It will be of brick and stone, the interior being of mill construction. It will cost \$30,000.

St. Louis, Mo.-The St. Louis Cordage Co. is building a two-story factory at. 1715 to 1723 Menard Street to cost \$5,000.

Spring City, Pa.—The Schuylkill Valley Stove Co.'s plant has been purchased at public sale by E. B. Colby, of New York City, for \$17,100. The sale includes the real estate and all the patterns.

Wrightsville, Pa. - The Wrightsville Hardware Co. have their new moulding room in operation, which gives employment to about fifty moulders.

Embarrassments.

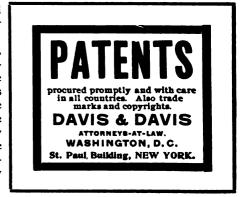
Middletown, Conn.-Judge Robinson has confirmed the appointment of Charles W. Warner as receiver of the W. H. Chapman Co. The liabilities of the firm consist of \$9,000 worth of notes, the money being sunk in the manufacture of locks. other branches of the business are in a paying condition. The concern will continue business.

Montreal, Can.—Elzear Provost, stove manufacturer, who consented to assign recently, has now produced his statement, showing liabilities of \$3,244.

Philadelphia, Pa.—An assignment has been made of the business carried on under the style of the Mechanics' Tool Co. by John McFadden. It was established over thirty years ago.

Recent Fires.

Easton, Md.—The Easton handle factory has been burned. It was a big plant of combustible material, covering a quarter of an acre of ground and located within the town limits, near the Baltimore, Chesapeake and Atlantic Railway station. burned factory belonged to a stock company. The building and machinery cost \$36,000. The insurance is \$6,000. Fifty operatives were employed.







You don't have to hunt for centre in shaft and then for your watch while balancing on a ladder.



The Tabor Revolution Counter, Elizabeth, N. J.

SOMETHING NEW "STANDARD" BALL-BEARING PHILADELPHIA CASTERS.

Standard Caster & Wheel Co.,







it.

Have you received our new descriptive advertising matter with suggestions for selling Sargent's Gem Food

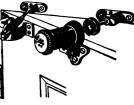
Chopper? If not, send for a copy; it will be to your advantage to read it

over. Of course you know that the Gem is a modern kitchen utensil that is needed by housekeepers. Every family in your

town should sell it; they will have buy it. It is a noiseless door closer that is a

winter necessity.

Boston You know how many doors in your vicinity should be kept closed during this cold weather. Why not have the Eclipse Door Check and Spring applied to all? Let the people know you



IOWA" ICE CHISEL 'HE



LLL STEEL.

Socket Extra Heavy and Extra Long.

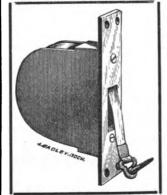
Blade Heavy and Beveled.

Gold Bronze and Silver Polish Finish.

High Grade Long Handle.

The Iowa Farming Tool Co., FORT MADISON, IOWA.

LITTLE HIGHER



In price, but so much

HIGHER IN QUALITY

that the great majority of dealers prefer to sell

CALDWELL .. SASH BALANCES

They can recommend them with clear conscience. Write for catalog.

Caldwell Mig.

4 JONES ST., ROCHESTER, N. Y.



TORRINGTON, CONN. York Office, 95 CHAMBERS STREET. in charge TOWER & LYON.

No. 20 EAGLE STEEL FRAME. NICKEL PLATED.



BICYCLE AND SPORTING GOODS RECORD.

Bicycle manufacturers and dealers, the ountry over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Boston, Mass.—After a brief retirement, the United States Supply Co. is again in the field, and, as before, George F. Kehew and John C. Patterson are heads of the concern. They have re-embarked in the Gun Co., in the Beckett building at Eightjobbing business, with temporary offices at eenth and Chapline Streets is now in shape 372 Atlantic Avenue and warerooms at 45 so far as the manufacture of guns in their India Wharf.

Chatham, N. B.-L. M. Barker, new store.

Cold Spring, N. Y.-W. A. Ladue has opened a repair shop.

Evansville, Ind.—The Jenner Cycle Co., with a capital stock of \$100,000, has been to La Salle and Fox Streets. incorporated, articles having been filed in the county recorder's office. The incor- closed. porators are Jacob W., Addie J. and William H. Jenner.

Hartford, Conn.-The Connecticut Rubber Corporation has filed certificates of incorporation and organization in the State Secretary's office. The authorized capital stock is \$10,000. John J. Ward and Fred- tract to build a new foundry building south erick W. Starr are the directors signing of the main buildings of their plant on the certificates.

capital. Incorporators, W. R. Gideon, R. McMillan and John W. Green.

headquarters to Pittsburgh has developed for their products. in the incorporation of the Miller-Thornall of whom have been identified with the concern and will travel in its interests. Shelby Co., W. E. Miller having once been manager and sales agent. The new con- Co. cern has established offices at 135 Broadway, and will deal in iron and steel, tubing, has removed to Main Street. of course, being included in the category.

Norway, Me.-C. L. Cummings has F. H. Patitz. opened a repair shop.

Syracuse, N. Y.—A new factory for the out George N. Lemmon, 47 Dean Street. manufacture of high grade guns is being installed in a part of the fourth floor of Co. has moved its clerical and office force the Industrial building. The plant when to New York. completed will give employment to from 30 to 40 people. The firm, which was re- for a \$20,000 addition to the plant of the cently organized in this city, will be known Ithaca Gun Co.

as the D. M. Le Fever & Sons. Mr. Le turers in the United States. In 1884 he building. established the Le Fever Arms Co. in this city and is still a stockholder and superintendent of the concern. He will retain his interests in that company. The class of closed. guns to be manufactured will range from \$75 to \$400 apiece.

Wheeling, W. Va.—The new Hollenbeck early stages is concerned.

Changes and Improvements.

Akron, O.-J. H. Saelzler has removed to Adams and Eleventh Streets.

Aurora, Ill.-H. C. Althoff has removed

Bay City, Mich.-Allen & Hopkins have

Bernardsville, N. J.-M. H. Smith removed his bicycle store in Main Street, Basking Ridge, to the Casey building at closed. Bernardsville.

Bristol, Conn.—The New Departure Bell Co. has let to William Linstead the con-North Main Street, which will be 55 by 63 Knoxville, Tenn.-Southern Rubber Tire feet, one story high and constructed of Co. has been incorporated with \$50,000 brick. Ground has been broken by the contractor for the foundation. This con-W. Williams, A. H. Martin, Pryor Brown, cern makes bicycle bells and bicycle sup-William S. McCulla, C. T. Williams, Alex. plies and has commenced the manufacture ness. of plumbers' supplies. They have one New York, N. Y.—One outcome of the large foundry in operation and now will closed for the season. removal of the Shelby Steel Tube Co.'s build another to meet the growing demand

burgh Co., of this city, with a capital of Specialty Co., 506-508 Genesee Street, have \$50,000. The officers are: W. E. Miller, taken up the recently patented Bolton autopresident; L. B. Thornburgh, vice-president matic tire repairing tool, and will place it ment in New York. and general manager; E. A. Miller, secre- on the market. The inventor, G. W. Boltary, and A. A. Kaiser, treasurer, nearly ton, Jr., has connected himself with the

Charlottetown, P. E. I.—Ernest Rice has loss by fire. its president and Mr. Thornburgh its office purchased the business of Mark Wright &

Concord Junction, Mass.—A. D. Brochu

Davenport, Neb.-E. Sedgwick succeeds

Englewood, N. J.-G. J. Scott has bought

Hartford, Conn.-The American Bicycle

Itnaca, N. Y.—Ground has been broken loss slight.

Kane, Pa.-The Kane Bicycle and Sup-Fever is one of the oldest gun manufac- ply Co. has removed to the Temple Theatre

> Lebanon, N. H.—Frank Cross has bought out Labombard Bros.

Los Angeles, Cal.—A. C. Leonard has

Monroe, N. Y.-Smith & Strehl succeed John B. Bouton.

Newton, Mass.—Fred. J. Read, Nonantum Square, has closed for the season.

New York, N. Y.-William H. Catlin has leased for a term of years to the American Bicycle Co. the seven-story wholesale warehouse building, 152 and 154 Franklin Street.

Pontiac, Mich.—Beattie & Tobin have removed to Saginaw Street.

Parkersburg, W. Va.-J. H. Barlow has purchased the business of the Parkersburg Cycle Co.

Penn Yan, N. Y.-Wilkins & Ellis have bought out Whitfield & McCormick.

Rockland, Me. - H. F. Addison has

Salem, Mass.—Cooper & Wing have closed for the season.

San Jacinto, Cal.-Pierre Baker has removed to the Slater building.

Sidney, Cape Breton.-W. H. McNeil has removed to Ross block.

South Norwalk, Conn.-Fox Cycle Co.; E. S. Bulkley has purchased the interest of E. H. Fox and will continue the busi-

Wellesley, Mass.-J. A. Purcell & Son.

Westfield, Mass.—The Cleveland sales department of the American Bicvcle Co. Buffalo, N. Y.—The Union Mfg. and has closed its connection with the local factory and will at once be consolidated with the company's general sales depart-

Embarrasaments.

Baltimore, Md.-William McAllister;

Green Bay, Wis .- O. F. Mann's bicycle establishment on Washington Street has been closed by Sheriff Burke on a chattel mortgage held by E. G. Eager & Co., of Toledo, O. The liabilities of Mr. Mann amount to about \$1,500.

Manchester, N. H.-Leon F. Bacon has filed a petition in bankruptcy, with liabilities of \$400.12 and assets of \$22.25.

Pawtucket, R. I.-A. F. & F. Bray, fire:

Syracuse, N. Y.—Spalding & Co., fire; loss slight.

HARDWARE MANUFACTURERS RECORD. Continued.

Changes and Improvements.

board Co., recently destroyed by fire.

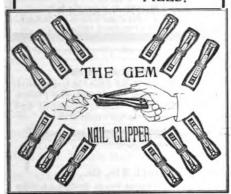
Emery Wheel Co. have leased of J. A. its entire plant as soon as the buildings Cleveland, O.—Jacob Vanderwerf is re- Jayne the entire lower floor of the passen- are ready. building the plant of the American Wash- ger depot and freight house which will be ger depot and freight house which will be Marion, O.—The new additions to the moved on a lot east of Pendleton Street, on Marion Steam Shovel Works are almost Cortland, N. Y .- The Taughannock Railroad Street. The company will move completed.



The GEM NAIL CLIPPER CUTS,

CLEANS,

FILES.



Mounted 12 on card like the illustration. They make an attractive show and sell They mal

SAMPLE BY MAIL, 25 CENTS. IT IS A PRACTICAL MANICURE. Perfect for removing hang nails. Send for circular and prices.

H. C. COOK

ANSONIA, CONN.
Please mention "HARDWARE."

SUPERIOR FENCE RATCHET.



Two Important Points:

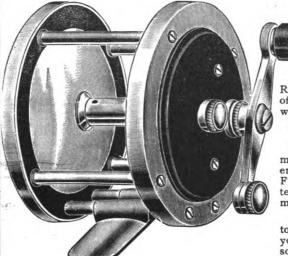
1, Jaw shaped dog, locking either side up.

2, Applied in body of fence without cutting wires. Free sample and specia prices on application.

Superior Fence Machine Co., Detroit, Mich

84 Grand River Ave.,

PFLUEGER FISHING REELS.



We are now manufacturing a com-plete line including all the popular styles and sizes: Brass, Nickel, Ger-

man Silver and suitable for all kinds of fishing, either salt or fresh water.

40, 60, 80, 100, 150, 200, 250, 300, 350 Yards.

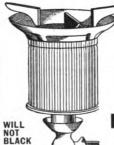
The foreman of this department has had 25 years experience in the manufacture of Fishing Reels, and we guaran-tee our goods the finest in the market.

Prompt Shipments. Be sure to get our prices before placing your orders for the coming sea

THE ENTERPRISE MANUFACTURING CO.,

Largest Manufacturers of Fishing Tackle in the United States. AKRON, OHIO.

Favorite Stove.



OR SMOKE

The Cheapest, Best and most Profitable on the market. Write for prices.

Favorite Novelty Co., 139 Beaubien St.,

Detroit, Mich.



HEATING MILK FOR THE BABY

VINN'S ADJUSTABLE BALL-BEARING DOOR HOLDER PATENTEL

CHEAPEST and BEST DOOR STOP on the market. It holds the heaviest as well as the lightest door, can be also used as a bumper and as a Pro-tector against Burglars.

We are also sole agents for the

The Blount Liquid Check. Telephone Call, 1754 Cortlandt.

Improved Norton Air Door Check,
Gold Bronze and Aluminum and Bronzing
Liquid. Sold in any qua Sold in any quantity



NEW YORK.

WARRIOR AIR The Repeating RIFLE.

THE BOY'S FAVORITE.

A NEW GUN.

METAL PARTS STEEL-INTERCHANGEABLE.

WALNUT STOCK, FINELY FINISHED. IT'S A PERFECT GUN AND AN EASY SELLER.

MADE BY

J. A. DUBUAR MFG. CO., Northville, Mich.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852

Tools, Cutlery and Springs

CREWDRIVERS OF ALL KINDS

SEND FOR CATALOGUE



Send for DESCRIPTIVE CIRCULAR and PRICE LIST.



Prison, House and Stable Work; JOIST HANGERS; LAWN FURNITURE; FENCING, ETC.

VAN DORN IRON WORKS CO.,

CLEVELAND, OHIO.





ROBERT MURRAY.

24 Duanc St., New York City.

General Hardware

Agent for Atlantic Screw Works. Wood Screws of Every Description. Agent for Maynard's Socket Shovels.





Now in our new plant with greatly increased capacity.

We manufacture everything in Files.



Write us for prices on_

Roofing Cement, Roofing Paint, &c.

J. L. PERKINS & CO.,

239 Lake Street, CHICAGO.

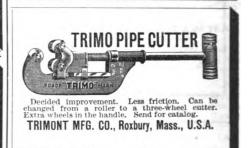




Steel Laid and Hard Cast, in great variety. Nail Pullers, Screw Drivers, Plyers Wire Cutters etc. Metal Goods of any kind to order on large contracts.



Admiral Street, Bridgeport. Conn



A WHOLESALE HOUSE

Wishes to communicate with manufacturers of Tools for regular deliveries for Cash. Apply

> E. NEWBORGH & CO., 46 Southampton Buildings, London, W. C.

Hardwaremen's Exchange.

Notices of HELP WANTED or SITUATIONS WANTED will be inserted in this column free of charge. Should not exceed

ALL OTHER NOTICES, twenty-five cents per line.

Help Wanted.

ENTRY CLERK.—Good man for billing, who has had experience in this line and knows the pump and pipe business. Address The Goulds Mfg. Co., Seneca Falls, N. Y.

FACTORY SALESMAN.—Experienced factory salesman acquainted with Hardware jobbing trade. Must be first class. State references when applying. Address THE ADMIRAL LAMP Co., Marysville, Ohio.

Situations Wanted.

A FIRST-CLASS ACCOUNTANT, book-keeper and cashier, understanding office work in every particular, desires to connect himself with some house, where integrity and strict attention to business would meet with fair compensation. Address P. P. P., care HARDWARE, 275 Broadway, New York.

A SSISTANT BUYER or ACCOUNTANT.—Young man (23) with long experience in Hardware and marine business, desires a position with a large concern where by strict attention to business he may receive advancement A 1 references. Address ACCURATE, care HARDWARE, 275 Broadway New York.

BLACKSMITHING.—Young man, 19. would like to learn blacksmithing. Address James White, 159 Chrystie Street, New York.

Situations Wanted.

BOOKKEEPER.—Man (28) well educated, desires position in any State; neat and accurate; knows Hardware business thoroughly. Address PAUL FUGLER. 387 South Ave., Bridgeport, Conn. 267

BOOKKEEPER AND SIGN WRITER—Man, 32 years of age, with nine years' practical experience in retail Hardware as clerk and buyer, At double entry bookkeeper and sign writer, wants like position. First class reference. Address S., care HARDWARE, 275 Broadway, New York.

BOOKKEEPING AND GENERAL OFFICE WORK.—Young man, with a thorough knowledge of French and German, and English as well, thoroughly acquainted with foreign trade, bookkeeping and general office work, six years' experience in machinery and Hardware business in France and Germany, desires position.

Address M. E. S., care HARDWARE, 275 Broadway. New York.

BUILDERS' HARDWARE SALESMAN.—Hustling young man, thoroughly familiar with Builders' Hardware, and prices of same, now with large manufacturers in New York City, desires a change. Address Hustler, care Hardware, 275 Broadway, New York. 268

BUYER, MANAGER OR SALESMAN.—A gentleman of 38 with a creditable business career of 20 years in Hardware, House Furnishing, Paints, etc., seeks position. Address S. F., care HARDWARE, 275 Broadway, New York.

ENGINEERING SALESMAN wants to make connection with AI house, and travel in New York City and State; has good circle of acquaintances and will work for reasonable terms while developing business; good references. Address E. L. I., care HARDWARR, 275 Broadway. New York.

EXPERIENCED BOOKKEEPER is open for engagement. Has knowledge of general office work; also Hardware and Gas business. Address BOOKKEEPER, 55 Dupont Place. Johnstown, Pa. 190



Situations Wanted.

EXPERIENCED ENGINEER and estimator in machinery, steam heating and general iron work, and having acquaintance with architects and builders of Greater New York, would like to take position with concern doing structural steel building work, doing outside work, soliciting, superintending, etc., to get more perfect knowledge of estimating, etc. Good references. Small salary only expected at start. Address D. EDWARDS, 441 W. 51st Street, New York.

EXPERIENCED HARDWARE CLERK.—Young man 27 years of age desires position with Hardware firm. Twelve years experience as clerk and salesman, both retail and wholesale. Salary moderate. Address H. T. B., care HARDWARE, 275 Broadway, New York.

FACTORY TRAVELER.—Experienced factory traveler, with wide acquaintance among all classes of buyers, desires position. Highest trade references; also former employers. Address H. C., care HARD-WARE, 275 Broadway, New York.

FOREMAN.—Experienced in stock, packing and shipping departments of manufacturing concern. Can give good references.

Address F. P. R., care HARDWARE, 275 Broadway, N. Y. 235

FOREMAN OR TIMEKEEPER.—Situation wanted by a man (32) as foreman or timekeeper. A hustler; can handle any kind of help; thoroughly posted on piece work system; 12 years' reference from last place. Address J. H. L., care HARDWARE, 275 Broadway, New York.

HARDWARE ASSISTANT—Young man, now as assistant buyer by well-known Hardware concern, desires position in same or similar capacity where there is room for advancement. Address S. R. S., care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN OR BUYER.—Young man desires position as salesman or buyer. Seven years' experience in importing and jobbing Hardware house. First class reference furnished. Address Y, care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN of 14 years' successful experience, as direct representative for leading manufacturer to jobbers throughout the country, will be open for engagement after January I. Highest references. Address Salary, care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN.—German, to visit the retail trade in city and nearby towns. Commission or salary and commission.

Address George Burckner, 227 E. 87th Street, New York.

HARDWARE CLERK.—Wanted by a young man with experience, position as clerk in Hardware store. Has also had three years' experience at plumbing. Willing to work at it part of the time. Address Robert Craig 77 E. Columbia St., Detroit, Mich. 246

ACQUERER—Thoroughly experienced in lacquering and the manufacturing of lacquers of all kinds. desires a position and can furnish the best of references. Address G A. W., care HARDWARE, 275 Broadway, New York.

MACHINERY SALESMAN.—Experienced man wants to represent special or general machinery and supplies, to establish New York office, or travel and install. Address Edwards, care H. Mfg. Co., 121 Front Street, New York.

OFFICE MANAGER AND CASHIER.—A position desired as office manager and cashier by a young man with twelve years' experience First-class references—security given, if desired. Address S. J. N., care HARDWARE, 275 Broadway, New York.

PAINT AND WALL PAPER SALESMAN.—Situation wanted by a young married man, perfectly familiar with the details of the paint and wall paper trade. Address or call. Charles P. Lundquiste, 63 Third Street, Brooklyn, N. Y. 208

STORE MANAGER.—Position as manager or assistant manager in a retail Hardware store by a young man 24. Has had seven years' experience in Hardware, is thoroughly familiar with jobbers' prices. Would prefer position in a good, lively town in New York or Pennsylvania. At references. For further particulars address Manager, Box 106, Little Falls, N. J.

STORE OR TRAVELING SALESMAN.—Middle age, strictly temperate, experienced in retail Hardware, stoves and mill supplies. Competent to manage a business. Road experience in oils, mill supplies and other lines. Address H. K. F., care HARDWARE, 275 Broadway, New York.

Hardware Buyer.

A THOROUGH BUSINESS MAN familiar with Hardware and other manufactures, and having had many years experience in the business, desires to represent a few firms as resident buyer on salary or commission. Conversant with the details of export business, having visited Europe frequently. Address F. BUYER, care HARDWARE, 275 Broadway, New York.

Side Line Offered.

GOOD CHANCE for Hardware salesman to sell the "Argand" Lamp as a side line; liberal commissions. Address Argand Vapor Lamp Co., Detroit, Mich.

HARDWARE SALESMEN.—To handle as a side line our labor. saving device, advertised elsewhere in this issue of HARDWARE-Liberal commission to good men. We furnish free to our agents a perfect working model, pocket size, which will lift 500 pounds. Address, DEPT. C. BURR MFG. Co., Cleveland, Ohio.

TRAVELING SALESMAN.—A young man, hustler, sober and reliable, would like to represent some manufacturer or well known jobber of cutlery in the States of North and South Carolina and Georgia. Salary no object. Very best of references. Address ROBERT, P. O. Box 262, Raleigh, N. C.

TRAVELING SALESMEN.—Large profits offered to traveling salesmen visiting factories to handle our improved patented Circular Saw Clamp as a side line. Address Fernside Mfg. Co., 78 Pearl St., Hartford, Conn. 264

WANTED.—Salesmen who call on retail Furniture, Hardware. Dry Goods and General Store trade, to carry a desirable and profitable side line. No samples necessary, sales from photographs. Address XZ, care HARDWARE, 275 Broadway, New York.

For Sale.

A BARGAIN.—Nice, clean stock of Hardware, Housefurnishing goods, Stoves and Ranges, with Sheet Metal business and tools. Splendid location; heart of the city; best town in the State of Ohio. Will sell at invoice—fixtures as well—want to go into the manufacturing business. Will sell store stock separate from shop, if desired. Write at once, J. B. C., care of HARDWARE, 275 Broadway, New York.

HARDWARE STORE. 15 miles from New York City. Rare chance, price low. Address H. H. G., P. O. Box 410, New York City.

Ad. Writing.

Do You Write Ads? SEND TODAY FOR INVALUABLE INFORMATION—FREE. HARPER SYNDICATE, COLUMBUR, O.

Agency Offered.

LIVE HARDWAREMEN.—We would like to hear immediately from a few live Hardwaremen who would like to be sole representatives in their towns, of a concern that is in the market for business, and have a line made for "men now on earth"—a modern line THAT CAN BE SOLD to your customers. Address "Box 88," care HARDWARE, 275 Broadway. New York.

Business Opportunity.

GERMANY.—Hamburg Commission House, visiting the wholesale Hardware merchants throughout the greatest part of Germany, wishes to correspond with manufacturers of suitable articles. Highest references Apply to U 6452, care HRINR EISLER, Hamburg.

Export Business Wanted.

A HARDWAREMAN with a complete knowledge of the Hardware commission business in New York, backed by a number of years' experience in the same, handling American goods, wishes to represent several leading manufacturers. Intends opening an office in New York City for home and export trade. Has been abroad a number of times and possesses established connections for export business. Thoroughly familiar with trade in New York. Boston and Philadelphia, and would be willing to make arrangements either on salary or commission, Address Export Trade, care Hardware, 275 Broadway, New York.

Mail Order Specialties.

LIGHT HARDWARE SPECIALTIES WANTED for a mail order business. Address The Mills Co. Cleveland. Ohio. 247



FOR QUOTATIONS RITE



Mention " Bardware."

THE CLARK MFG. CO., Buffalo, N.Y.

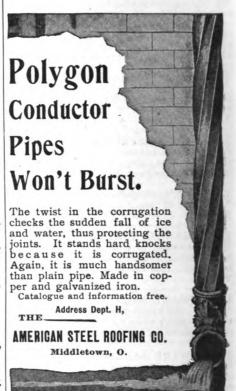
CET

Lull & Porter, O. S.

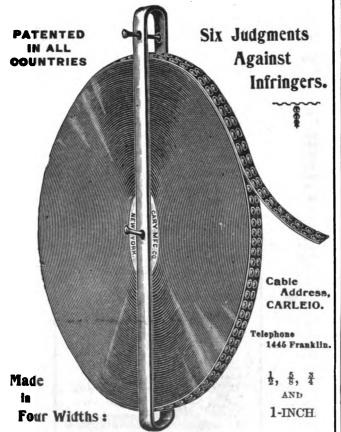
"BUFFALO REVERSIBLE

SHUTTER HINGES

CLARK'S SURFACE BLIND HINGES, GATE HINGES, SASH PULLEYS, SPRING HINGES, CAST DOOR BUTTS, STOVE PIPE DAMPERS, ETC.



CARY'S UNIVERSAL BOX STRAP.



CARY MANUFACTURING

19 and 21 Roosevelt St., New York.



PRICES CURRENT.

The	prices	noted	in this	Prices	Current	are int	tended	for the	Hardwai	n
									ail dealer	
They	are care	fully re	vised and	l repres	eut quo	tations	at which	h purch	ases can l	æ
made	. Very	rmall o	uantitie	s, and b	roken	packages	, frequ	ently m	ake high	81
price	a necessa	uy.								
0	. h			A A	A					

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

Adzes—	Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in kegs,
ouse Carpenters, Ogden's	634 lb 1.5
hip Carpenters " 50%	614 ib
	"V. G. P." for Trap Shooting
Ammunition—	in kegs, 1214 ib
CAPS, PERCUSSION-\$ 1000-	in kegs, 61/1 ib 1.5
. M. C. Co., trimmed edge40c	in kegs, 614 ib
. M. C. Co., ground edge, heavy50c lasket, Waterproof, 1-10's60c	Choke Bore, Nos. 5 and 7, in
. D85c	
CARTRIDGES-	kegs, 6½ 1b 1.5
im Fire Cartridges50%	Choke Bore, Nos. 5 and 7, in kegs, 6½ b. 1.! Mealed Powder, in kegs, 25 b. Shipping Powder, F. FF, FFF, FFFF and FFFFF, in kegs,
im Fire Military	FFFF and FFFFF, in kegs.
ent. Fire, Military and Sport-	
ing	Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in kegs, 25 b Mining and Blasting Powder, (B), C, F, FF, FFFF, FFFF, in kegs, 25 b Direct Sporting Powder for lots
IRINE CHILITOPES, 32 CM 100009	in kegs, 25 th 2.5
rimed Shells and Bullets	(B), C, F, FF, FFF, FFFF,
. B. Caps, Con. Ball, Swgdnet	in kegs, 25 lb
PRIMERS-	Du Pont Sporting Powder, for lots 1000 to 10% discount:
erdan Primers5%	Du Pont Smokeless Shotgun
. L. Cape (for Sturtevant Shells)5%	Powder: Kegs, equal in bulk to 25 lb
ll other Primers	Black Powder 22.
SHELLS-	Black Powder
irst quality, 4, 8, 10 and 12 gauge25% irst quality, 14, 16 and 20 gauge,	Quarter kegs, equal in bulk to
\$7.50 20s	614 ib Black Powder 5.' Canisters, equal in bulk to
ew Club, New Rival and Climax brands, 10 and 12 gauge	Canisters, equal in bulk to 1 ib Black Powder 1.6 Du Pont Smokeless Rifle
rimrose Club	Powder No. 1, equal in bulk
itro	to 1 to Black Powder 1.0
mokeless	Du Pont Smokeless Rifle Powder No. 2 count in bulk
igh Ball 15% mokeless 5814&10% cme 5804 Shells, 1st quality 60% mans Shot Shells, 1st quality 60%	Powder No. 2, equal in bulk to 1 to Black Powder 1.4
tere offer offers, circl miles and	Du Pont U. S. 30 Calibre Smokeless Rifle Powder,
Climax	per 16 1.
SHELLS, LOADED-	Discounts on application.
New Club," Black Powder40&5% New Rival," Black Powder40&5%	PETERS PRIMERS-
Smokaless "Nitro Powder	All Primers\$1.10-1.12
Smokeless" Nitro Powder, 40&10&10&5%	
Acme," Dense Nitro Powder, 40&10&10&5%	CARTRIDGES -
Trap," Nitro Powder 40&10&10&6%	Peters Blank Cartridges:
GUN WADS-19 1000-	.89 C. F., \$5.50
. E., 11 up\$.60)	.\$2 cal. Rim, \$1.50
. R. 9 & 10	B. B. Caps, Con. Ball, Swgd\$1.85-1.
E., 7	B. B. Cape, Round Ball. 1.12-1.1 Central Fire. 21
. E., 8	Pistol and Rifle
. R., 8	Rim Fire Sporting5
. E., 7 1.50 J	Rim Fire Military15&
SHOT-	PETERS SHELLS—EMPTY—
atham Bros.: Phone Shot sizes smaller than B	
Drop Shot, sizes smaller than B, 25-lb bags	Peters Ideal, 10 and 12 gauge831/6&10 "New Victor, 10, 12 and 16 gauge15
Drop Shot, B and larger sizes,	" New Victor, 10, 12 and 16 gauge15 " Quick Shot, 10, 12 and 16 gauge 25&
25-75 bags	" League, 10, 12 and 16 gauge25&
Chilled Shot, 25-ib bags 1.75	PETERS SHELLS-LOADED (BLAC
Dust Shot, 25-1b bags 2.00	POWDER)
CANISTER POWDER-	Peters League, 10 and 12 gauge.40&: " Quick Shot,10,12 and 16 gauge40&:
. I. Du Pont De Nemoure & Co.: In cases of 25 each. Each	Loaded with (Semi-Smokeless
Crystal Grain, Nos. 1, 2, 8 and	Powder). Peters Referee, 10,12and16 gaug 40&
4, in canisters of 1 b \$.75 Eagle Duck Shooting, Nos. 1, 2	Loaded with (Smokeless Powder).
and 8, in canisters of 1 b	Peters New Victor, 10,12 and 16
Ragle Duck Shooting, Nos. 1, 2 and 8, in canisters of 14 b80	gauge
Ragle Rifle and Superfine Sport-	GUN WADS-
ing, in canisters of 1 ib45 Du Pont Rifle, Fg, FFg and	
FFFg, in canisters of 1 lb25	Peters B. E., 9 to 10
Dn Pont Rifle, Fg, FFg and FFFg, in canisters of 1/2 ib	" Victor, 8
Du Pont Rifle, Fg, FFg and	11 to 20
FFFg, in canisters of 1/2 lb12	" P. E., % in. 8
KEG POWDER-	11 to 90 1,0
Eagle Duck Shooting, Nos. 1, 2	"White Elastic, % in., 125 in a box.
and 3, in kegs, 25 b	8 \$4 .0 9&108.0
2 and 8, in kegs, 1214 h 4,25	11 to 20 2.5
	" Damp Proof, per 1,000:
and 8, in kees, 614 ib 2 25	0.4.40
and 8, in kegs, 614 b 2.25 Du Pont Rifle, FFFg, FFg, and	98010
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in kegs.	9&10
and 8, in kegs, 614 h	9&10

nded for the Hardware	" Nitro card:
chased by retail dealers.	8 26 c 9&10 22 c
which purchases can be frequently make higher	11 to 9018c
	POWDER— King's Smokeless (Shot-gun),
epancies, as we desire to stant attention.	Kegs (25ths bulk)
ill always be furnished	Unarter Kega (61/41% bulk) 5.75
	Canister (1h bulk) 1.00 King's Smokeless (Rifle) 11.25 Half Kegs (12½ he bulk) 11.25 Quarter Kegs (6½ he bulk) 5.75
le. FFFg. FFg. and	_ Caulster (115 bulk) 1 00
le, FFFg, FFg, and oting" Fg, in kegs, 	King's Semi-Smokeless, Keg, 25bs bulk 10.00
for Trap Shooting.	Keg, 25788 bulk
for Trap Shooting	I ID Can, bulk
for Trap Shooting,	Kegs, 25 hs 4.00 Half Kegs, 121/6bs. 2.25 Quarter Kegs, 61/4bs. 1.25 1.b Can (24 in case). 25
, Nos. 5 and 7, in	Quarter Kegs, 6¼ bs
, Nos. 5 and 7, in 3.75 Nos. 5 and 7, in	Discounts on application.
10 1.00	Animal Pokes— Iowa Farming Tool Co.: \$9 dos.
der, in kege, 25 h. 4.00 wder, F. FF, FFF,	Hawkeye
1 FFFFF, in kegs, 2.25	Anti-Rattlers-
Blasting Powder, FF, FFF, FFFF, bb. 2.95 Blasting Powder, FF, FFF, FFFF, bb	Fernald, Wire
Blasting Powder,	Gem
b 1.50	Kohler's: \$ gro. Invisible, No. 8
scount:	Perfect, No. 2
mokeless Shotgun al in bulk to 25 fb	Anvils-
owder 22.00 , equal in bulk to lack Powder 11.25	American "Horse-Snoe"
lack Powder 11.25	American "Horse-Shoe" 944c Armitage's Mouse Hole 944c Cincinnati 255&108 Eagle Anvils, \$ 15 90 156215&58 Hay Budden, Wrought 844c Peter Wright's 9462104c Samson' 40&108 Trenton 9c
ogs, equal in bulk to sack Powder 5.75 equal in bulk to k Powder 1.00 Smokeless Rifle	Peter Wright's
k Powder 1.00 Smokeless Rifle	Trenton9c
No. 1, equal in bulk lack Powder 1.00 Smokeless Rifie	ANVID AND VIEW COMPINED
Smokeless Rifle No. 2, equal in bulk	Chency Anvil and Vise
No. 2, equal in bulk lack Powder	Augers and Bits—
	Boring Machine
nts on application.	Forstner Pat. Bits
PRIMERS— \$1.10-1.121/4	Double Spar pattern car, No. 8050% Nobles Double Spar, No. 8350&10% No. 10 Extension Lip
GES-	No. 10 Extension Lip Car Bit40% Car Bits, No. 10
Cartridges:	Car Bits, No. 80
.50	Ring Augers 70% Jennings' Pattern 50&10% Snell's Auger and Car Bits 60%
\$1.50 10&5% \$2.75 10&5% on. Ball, Swgd\$1.85–1.90	Swan's: Jenning's Pattern Auger Bits,
ound Ball 1.12-1.18	Jenning's Pattern Car
le	Russell Jennings' Augers and Bits.
ting	
Shells—Empty—	HOLLOW AUGERS —
0 and 12 gauge. 8814&10s	Cincinnati Nos. 1, 2 and 8 25&10% Douglass*
10, 12 and 16 gauge15% 10, 12 and 16 gauge 25&5% 12 and 16 gauge25&5%	Hibbard's Adjustable Net prices
SHELLS—LOADED (BLACK	Douglass' 25&10x Bibbard's Adjustable Net prices Ives 25&10x Millers Falls, Goodell 15&7½ Swan's 0.5 Universal, each \$4.50. 20x
DER)	Universal, each \$4.50
ne, 10 and 12 gauge.40&5% t,10,12 and 16 gauge40&5% h (Semi-Smokeless	C. E. Jennings & Co
ee,10,12and16 gaug	Clark's large, \$26
(Smokeless Powder). Victor, 10,12 and 16	Swan's
40&10&5% gauge40&10&10&5%	Common
D8—	Swan's
to 1070c	
60c	Mayhew's 40&10% Snell's 40&10% Snell's Bell Hangers 50%
8. \$1.50 1.00	BIT STOCK DRILLS-
1.25	Cincinnati Tool Co., for wood, 40&10% for metal, 60%
ic, % in., 125 in a box.	Cleveland Wood Bits for Brace . 50&10%
8.00 2.75	Morse
'ner1.000 ·	Syracuse, for wood40%
\$1.50 1 25 	TWIST DRILLS— Cleveland
, per 1,000: 26c 22c	Morse Straight Shank
22c	New Process

Syracuse 60&10\$ W. & B. Diamond 60&5@60&10\$ W. & B. Universal Self-Oiling 10\$ SHIP AUGERS AND BITS—
L'Hommedieu's
Watrous' 831/# Awl and Auger Handles—
See Handles
Handled Brad
Patent Peg
Shouldered Peg
Shouldered Peg
Patent Pegging50@50&10% Awl and Tool Sets—
Aiken's Awls and Tools:
No. 10, \$\psi\$ doz. \$7.50; No. 20, \$\psi\$ dos. \$10
Fray's Adj. Tool Hdls., Nos. 1, \$12; 2, \$18; 8, \$12; 4, \$9; 5, \$750\$
Millers Falls Adj. Tool Holders:
Nos. 1, \$12; 2, \$12; 4, \$12; 5, \$18. 15@15&10s C. E. Jennings & Co.'s Adjustable
C. E. Jennings & Co.'s Adjustable Tool Handles 3845 Stanley's Excelsior, No. 1, \$7.50; No. 2, \$4.00; No. 3, \$5.5080&10s
Axes—
First quality, best brands\$6.50@7.00 First quality, other brands6.00@6.50 Beveled, add 25c. # doz.
HATCHETS
Hunt's, Underhill's or Blood's40&10\$ Peck's: Champion Blade45\$
Empire Brand
Shingling and Claw
M. C. Ogden's: Broad
Handled Axes
Axle Grease—
1-15 box
1-h box
Balances—
Light, Class A40&10%
Circular Balances, Class C50%
Light, Class A
Balances, Sash—
Balances, Sash— Pullman's 50&10@60s Barn Door Hangers—
Balances, Sash— Pullman's
Balances, Sash— Pullman's 50&10@60s Barn Door Hangers— See Hangers. Barrel Drainers— National
Balances, Sash— Pullman's 50&10@60s Barn Door Hangers— See Hangers. Barrel Drainers— National
Balances, Sash— Pullman's 50&10@60s Barn Door Hangers— See Hangers. Barrel Drainers— National
Balances, Sash— Pullman's 50&10@60g Barn Door Hangers— See Hangers. Barrel Drainers— National
Balances, Sash— Pullman's 50&10@60s Barn Door Hangers— See Hangers. Barrel Drainers— National 30s Beef Shavers— Enterprise: Japanned, each, \$7.50 25@30s Bells— HAND— Extra Heavy Brass 60@60&10s Light Brass 60&10s Pure Bell Metal 55g Glope (Cone's Patent) 356
Balances, Sash— Pullman's
Balances, Sash— Pullman's 50&10@60s Barn Door Hangers— See Hangers. Barrel Drainers— National 30s Beef Shavers— Enterprise: Japanned, each, \$7.50 25@30s Tinned, each, \$9.00 25@30s Bells— HAND— Extra Heavy Brass 60@60&10s Light Brass 60&10s Pure Bell Metal 55&5 Silver Chime 35% White Metal 55&5s DOOR— Trip, Gem 40s
Balances, Sash— Pullman's 50&10@60s Barn Door Hangers— See Hangers. Barrel Drainers— National 30s Beef Shavers— Enterprise: Japanned, each, \$7.50 25@30s Tinned, each, \$9.00 25@30s Bells— HAND— Extra Heavy Brass 60@60&10s Light Brass 60&10s Pure Bell Metal 55&5 Silver Chime 35% White Metal 55&5s DOOR— Trip, Gem 40s
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Balances, Sash— Pullman's 50&10@60s Barn Door Hangers— See Hangers. Barrel Drainers— National 30s Beef Shavers— Enterprise: Japanned, each, \$7.50 25@30s Tinned, each, \$9.00 25@30s Bells— HAND— Extra Heavy Brass 60@60&10s Light Brass 60&10s Pure Bell Metal 55&5s Globe (Cone's Patent) 855 Silver Chime 355 White Metal 55&5s White Metal 55&5s Trip, Gem 40s Alarm, Abbe's 40s Alarm, Yankee 50s Gong, Abbe's 40s Gong, Yankee 50s Gong, Yankee 50s Gong, Yankee 50s Gong, Yankee 50s Multi-Stroke 40s New Departure 45@505
Balances, Sash— Pullman's 50&10@60s Barn Door Hangers— See Hangers. Barrel Drainers— National 30s Beef Shavers— Enterprise: Japanned, each, \$7.50 25@30s Tinned, each, \$9.00 25@30s Bells— HAND— Extra Heavy Brass 60@60&10s Light Brass 60&10s Pure Bell Metal 55&5s Globe (Cone's Patent) 855 Silver Chime 355 White Metal 55&5s White Metal 55&5s Trip, Gem 40s Alarm, Abbe's 40s Alarm, Yankee 50s Gong, Abbe's 40s Gong, Yankee 50s Gong, Yankee 50s Gong, Yankee 50s Gong, Yankee 50s Multi-Stroke 40s New Departure 45@505
Balances, Sash— Pullman's 50&10@60s Barn Door Hangers— See Hangers. Barrel Drainers— National
Balances, Sash— Pullman's 50&10@60s Barn Door Hangers— See Hangers. Barrel Drainers— National 80s Beef Shavers— Enterprise: Japanned, each, \$7.50 25@80s Tinned, each, \$9.00 85@30s Bells— HAND— Extra Heavy Brass 60@60&10s Light Brass 60&10s Light Brass 60&10s Silver Chime 85% Globe (Cone's Patent) 85% Silver Chime 85% Silver Chime 85% Trip, Gem 40s Alarm, Abbe's 40s Alarm, Yankee 50s Gong, Abbe's 40s Gong, Yankee 50s Multi-Stroke 60s New Departure 45@60s New Departure 45@60s Kentucky 8argent's List 70s Western, Sargent's List 70s Western, Sargent's List 70s Bellows— Blacksmiths' 60&10s/270s
Balances, Sash— Pullman's 50&10@60s Barn Door Hangers— See Hangers. Barrel Drainers— National
Balances, Sash— Pullman's 50&10@60s Barn Door Hangers— See Hangers. Barrel Drainers— National



leveland Rubber Co.: Price Each	Bone Mills.	WROUGHT STEEL	Cherry Stoners— Enterprise25@805
Buckeye	Enterprise	List April 1, 1895. Bronzed Inside Blind Butts50@50&10%	Family net \$ doz. \$4.00
War. 2 XL		Bronzed, Narrow50@50&10% Fast Joint, Narrow	Chisel and File Handles-
ixtra	Borers, Bung. Enterprise	West Toint Light Nagrous	See Handles.
Extra Para40&10%	Kach	Loose Joint	Chisels—
Reliable	Nos 1 2 8 C. E. Jennings & Co.:	Loose Pin	SOCKET FRAMING AND FIRMER-
tandard70&10\$	No. 640%		Buck Bros
Belting, Stitched Cotton-	No. 1025%	Calipers— Bemis & Call:	Douglass
phinx Brand	Borers, Tap— Common Ring	Wing	Ohio Tool Co
_	Enterprise	Double	Swan
Belts-	Ives	Straight Leg	Witherby
endless thresher— four Ply, 6-in, net	Boring Machines—		C. E. Jennings & Co, No. 70201 Jennings & Griffin Mfg. Co701
our Ply, 7 in. net ₩ foot 14c	WITHOUT AUGERS— Upright. Angular.	Can Openers— American % gross, \$1.75@\$2.00	TANGED AND MISCELLAMBOUS-
four Ply, 8 in. net ≨ foot 16c	Donglass' \$2.75 \$3.88	Goodell's Acme gross, 6.00 Hopper's gross, 15.00	Buck Bros
Bench Stops—	Jennings* 8.00 8.75 Millers Falls 7.50 15%	No. 5, Iron Handle. # gross, \$2,00@2.25	Butchers'. \$4.75@\$5.00 to £ C. E. Jennings & Co
incinnati	Snell's, Rice's Pat. 2.75 8.00	No. 5, Iron Handle. # gross, \$2,00@2.25 Sardine Scissors	Jennings & Griffin Mfg. Oo. Tanged
2, \$11.00	Bow Pins-	99 (102 24.50	Chisels and Gouges
errell s Nos. 1 and 2, \$8.00; No. 8, \$8.00 \(\partial \text{doz} \)	Hotchkiss	Sprague, No. 1, \$2.00; No. 2, \$2.26; No. 3, \$2.50	Tanged Firmers'
\$8.00 or doz	Boxes, Mail.	Universal, \$\pi doz., \$8.0050%	COLD CHISELS-
eston's40%	Helier's	Cards—	Good quality, % 1b
Binder Twine—	Box Strapping—	Cotton	Chucks—
hite Sisal, 500 ft. to b 8c	Cary's "Universal," in case lots,	Wool	Beach Patent, each, \$8.00
andard, 500 ft. to b 8c anile, 600 ft. to b 10c	20&10@20&10&10% Braces—	Carpet Stretchers-	Cushman's: Combination45
are Manila, 650 ft. to b 11c	Barbers'50&10@60&10%	Montross' "Excelsior." 39 doz	Independent
Bit Holders—	Barbers' Ratchet	\$6.00	Morse's Adjustable, each, \$7.00
ngular	Ives':	Cast Iron Steel Points # dox., 800	Union Mfg. Co.:
kiension : Barber's, \$8 doz. \$15.0045@50\$	Barbers'	Socket	Combination
Ives' # doz. \$20.00	New Haven Novelty	Carriage Bolts-	Universal
Bit Stock Drills—	Spofford 60&5%	See Bolts.	
ee Augers and Bits.	C. E. Jennings & Co.: No. 108@1141450&10%	Carriage Makers' Clamps-	Clamps— Adjustable, Cincinnati25&10
Blind Adjusters—	No. 108@11414	See Clamps.	Adjustable, Hammers20
omestic% doz. \$3.00831/4%	Peck's (P. S. & W. Co.)50&10@60%	Cartridges—	Adjustable, Stearns'
xcelsion . \$\doz. \$10.00 50&10&\frac{5}{2}\square orth's	Gen. Spofford's,50&10@60%	See Ammunition.	Cabinet Makers or Quilt Frame,
mmerman's50%	Brackets—	Casters—	Malleable, Stearns'
Blind Fastenings and Tenons-	Door Screen	Bed70%	Carriage Makers', Steams', 50@50&10
ustin & Eddy # gro. sets\$5.50	Shelf, Plain, Regular list66%	Bracket Bed	Carriage Makers', P. S. & W. Co. 40&1
orhan's Improved Star Tenon #gro. \$1.00	Shelf, Fancy, Sargent's list40&10	Brass Wheel	Smith's: Eccentric
olt`s Tenons70≰	Window Screen Corner60&10% Reading, Plain60%	Martin's Patent (Phœnix)40&10% Plate70&10@75%	Splicing Tools
erriman's Brass Lever 🕏 gr\$15 00 erriman's Iron Lever 🗑 gr 9.00	Reading, Rosette60%	Payson's Furniture	Warner's
illers Falls \$8 set \$1.0015&10~	Bracket Saw Frames-	Standard, Ball Bearing45%	Cleaners, Sidewalk— # do
scurity Gravity & gr	Millers Falls Co	Tucker's Patent, low list80%	Challenge Shank
immerman's50	Bracket Sets-	Cattle Leaders—	Star Socket 4.2
Blind Hinges— se Hinges.	Millers Falls Co833/46	Humason, Beckley & Co.'s70&10% Peck, Stow & W. Co	Clippers—
Blocks—	Box Hooks, Openers and Scrap-	Sargent's	HORSE-
urr Mfg. Co.'s Steel	ers— Humason & Beckley's60&60&10%		Chicago Flexible Shaft Co.'s: Chicago Belt Clipping Machine,
hisholm & Moore Crane Load Blocks 15% leveland Block Co. Steel60&10@70%	Bright Wire Goods-	Chain— American Halter Chain50@50&10%	Each \$15.00 ne New '98, ChicagoEach 8.75 ne
ddy's	Standard. New list	American Proof Coil, Cask lots.	TOLLET
artz' Steel	Bull Rings—	F. O. B. Pittsburgh. Inch. Per 15.	Chicago Flexible Shaft Co.'s: \$\pi\$ doz
on Strapped, Japanned Sheaves70% on Strapped, Lig Vitae Sheaves60% one Strapped Japan'd Sheaves #0.810%	Humason, Beckley & Co.'s	8-16\$7.75	Mascot \$8.40 ne
V. Sheaves	Peck, Stow & Wilcox Co.'s	5.80 5-16	Monitor
anes: Junior, Self Sustaining80s	Seymour Smith & Sons	% 4.00 7-16 8.85	
Pat. Automatic	· · · · · · · · · · · · · · · · · · ·	7-16 9 9K	Clips—
	Bull Punches—	16	
owell, Novelty Block50&10%	Bull Punches— Humason & Beckley's25%	34	Norway Axle
towell, Novelty Block50&10% egular Iron Strapped Blocks	Humason & Beckley's	34	Norway Axle
cowell, Novelty Block50&10% egular Iron Strapped Blocks 60&10&10@70%	Humason & Beckley's	14 8.75 9-16 8.55 54 8.50 74 8.50 75 8.50	Norway Axle
egular Iron Strapped Blocks 60&10&10@70% Bolts— Door and shutter—	Humason & Beckley's	16. 8.75 2-16. 8.55 4 8.55 4 8.55 4 8.50 1 8.50 1 8.50 An advance of 25c. ¥ 100 th is added on	Norway Axle
Lowell, Novelty Block	Humason & Beckley's	4	Norway Axle
towell, Novelty Block	Humason & Beckley's	4	Norway Axle
owell, Novelty Block	Humason & Beckley's	4	Norway Axle
Novelty Block	Humason & Beckley's	4	Norway Axle
owell, Novelty Block	Humason & Beckley's	4	Norway Axle 60&10&16 Norway Spring Bar Clips 60&10&16 Superior Axle Clips 60&10&16 Coffee Mills— Box and Side 50&10@6 Enterprise Mfg. Co 25@1 Logan & Strobridge Co net price National Specialty Mfg. Co 38 Waddel's New Box Mills 10 ideal Brand, New List 60@60&16 Coil Chain— See Chain.
Novelty Block	Humason & Beckley's	46	Norway Axle
Novelty Block	Humason & Beckley's	46	Norway Axle
towell, Novelty Block	Humason & Beckley's	4	Norway Axle
Novelty Block	Humason & Beckley's	16	Norway Axle
Lowell Novelty Block	Humason & Beckley's	16	Norway Axle
LOWELL NOVELTY Block	Humason & Beckley's	1.5	Norway Axle
weell, Novelty Block	Humason & Beckley's	16	Norway Axle
Lowell Novelty Block	Humason & Beckley's	16	Norway Axle
owell, Novelty Block	Humason & Beckley's	16	Norway Axle
owell, Novelty Block	Humason & Beckley's	16	Norway Axle
Novelty Block	Humason & Beckley's	16	Norway Axle
owell, Novelty Block	Humason & Beckley's	16	Norway Axle
LOWELL NOVELTY Block	## Humason & Beckley's	16	Norway Axle
Dowell, Novelty Block	Humason & Beckley's	1.0	Norway Axle
Lowell Novelty Block	Humason & Beckley's	1.0	Norway Axle
LOWELL NOVELTY Block. 50&10x egular Iron Strapped Blocks 60&10&10@70% Bolts— 60&10&10@70% Bolts— 50&10@70% Bolts— 50&10@70% ast Iron Barrel, Square, &c	## Humason & Beckley's	1.00 1.00	Norway Axle
towell, Novelty Block	Humason & Beckley's	1.00	Norway Axle
## Bolts— Bolts— B	Humason & Beckley's	16	Norway Axle
Novelty Block	## Humason & Beckley's	1.00	Norway Axle
Stowell, Novelty Block	## Humason & Beckley's	16	Norway Axle



Extender Cut-Easy, 18.0 one Corn Kairs and Outsers Maniphy Co.: Series of the Series of Consequence of Conseque	Halter Chain—
Bridley's state of the wide of the work of	Wamman.
Section	40&5% HANDLED HAMMERS—
Maybew Diamond. 467 Marchew Plannond. 467 Minel's Tatent. 500-105 Crayona— Sergent's List. 500-105 Crayona— Sergent's List. 500-105 Clippe \$4.5. So. 6. 6. 6. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	40 & 5% Magnetic Tack, Nos. 1, 2, 8 \$1.25.
Edipse	orks 40&5% \$1.50&\$1.75 40&10; c, Standard H. & B., Tack 50&10; Maydole's 833/\$&5@40&10;
Edipse	Maydole's 831/6&5@40&10
Edipse	Forks, Four Peck, Stow & Wilcox
Edipse	e75% Engineers and B. S. Hand60&10; Six Tine70% Sargent's New List45@45&10;
Edipse	70&10&2/45 Verree
Four S. Source S. So	AND HEAVY HAMMERS AND STEDGES-
## Wood	PO-
## Wood. ## Frefect. Was Fr 100	
## Wood. ## Frefect. Was Fr 100	Tine66% & 5% Wilkinson's Smiths 91/4c@10c % it
## Wood. ## Frefect. Was Fr 100	Four Tine, Tone, Hammock Ropes—
## Wood. ## Frefect. Was Fr 100	70&5&5&5 Covert Mfg. Co.:
Diggers Solution	
Diggers Solution	e, Standard 66344 Hand Cultivators—
Diggers Solution	orks, Three Ulrich Mfg. Co.:
Diggers	671/4&21/45 Osborne's \$9 doz., \$15.00
Dividers See Post Hole, etc. See Post Hole, etc. Dividers See Post Hole, etc. See Post Hole, etc. Dividers See Compasses, Dividers, etc. Dog Gollars See Compasses, Dividers, etc. Dog Gollars See Compasses, Dividers, etc. See See See See See See See See See S	
Pauceta	elly Presses. Chart Was No Security Control
Pauceta Pauc	20@35¢ Chest Handles, Stearns' No. 1. Door
Dog Collars— hapman Mfr. Co. New List: Casther (Massottment)	or Thumb80c.70
Compression Bibbs with flarge Chair (full assortment)	or Thumb
Compression Bibbs with flarge 1982 100 (1987) Compression Bibbs with flarge 1982 100 (1982) Compression Bibbs with	10@10@0% 00@10! 1 75@75&10\$ Deseror Handles 80
Decor Deco	70&10@754 Ring Handles
Emboseed	225 \$4.75 \$5.95 Roggin Latenes
Transport Tran	8 7 8 Trunk Handles
Door Boils	STORE DOOR HANDLES-
See Boits, Door See Boits, Door See Boits, Door Cheeks	# 1000 ft. Bronzed, with Cylinder Lock50
Sardeley's Say 4.95 Solution Solutio	2.50 Japanned, with Nuts 45&10
Sardeley's Say	Japanned, with Plate
Sommer's "Nockeys," Reid Sommer's "Nockeys," Reid Society Southern Souther	DOOR PULL—
Sommer's "Nockeys," Reid Sommer's "Nockeys," Reid Society Southern Souther	Bar60@60&10
Solid Soli	Barn Door
John Sommer's "Ellapse," Lock, 40% of John Sommer's "Reliable," Lock, 40% of John Sommer's "Common, Cork 50% of John Sommer's "Perfection, Cedar, 50% of John Sommer's "Perfection, Cedar, 50% of John Sommer's "Common, Cork 50% of John Sommer's "Common, Cork 50	Drawer Pulls
Door Springs	Push Plates, Sargent's List. 60@60&10
Rubber, complete, \$\frac{3}{\text{ coris}}\$	25&10% Sash Pulls
Rubber, complete, \$\frac{3}{\text{ coris}}\$	10&10% Window Pulls
Rubber, complete, \$\frac{1}{2}\$ dos. \$\frac{3}{2}\$ dos. \$\frac{3}{2}\$ dos. \$\frac{1}{2}\$ dos. \$\frac{3}{2}\$ dos. \$\frac{1}{2}\$ dos. \$\frac{1}{2}\$ dos. \$\frac{3}{2}\$ dos. \$\frac{3}{2}\$ dos. \$\frac{1}{2}\$ dos. \$\frac{3}{2}\$ dos. \$\frac{1}{2}\$	60&10% WOOD—
Star (Col) List Oct. Section	rand Angerlerge 29 or 8.00@8.2
Victor, Coli	25&10% Auger, Douglass' Pat., % set, No. 1, 31t. % doz. \$1.40.60&10
Victor, Coll	\$2.00 net. Auger, Ives' Pat., No. 160&10
Star	No. 2 to 821/6
Star	**************************************
Star	Chisel, Worcester, Leather Cap'd. 1.5 Disston's Crosscut
Star	gr. \$4.00@\$4.25 File, assorted 9 gr. \$1.25@1.4
Drawing Knives— Adjustable Handle 25@25&10¢ Bradley's 70&10¢ Br	40&1 @50% Firmer Chisel, Apple, assorted, wgr.
## Adjustable Handle	Hammer, Hatchet, Axe, Sledge, etc.,
Douglass	Hoe, Rake and Fork 60&10@60&10&8
Douglass	"Simplicity" File Handles, \$ gr.
Mix. 70& 10% Ohio Tool Co. 70& 10% P. S. & W 70& 10% Ohio Tool Co. 70& 10% P. S. & W 70& 10% Ohio Tool Co. 70& 10% Ohio Tool S. 20& 20% Ohio Tool S. 20% Ohio Too	Saw and Plane
Ohio Tool Co	50@50&10
New List, Nov. 1, 1899. New List, Nov. 1, 1899. American .75&5% Arcade .	net prices OROSS-CUT SAW HANDLES-
L. & I. J. White	Chempion 45@45&10
Drills and Drill Stocks	Hangers-
Automatic Boring Tools 50% Bench, Manneers 60% Bench, Manneers 60% Breast, Bartholomew's 25&10% Breast, Goodell's 25&60% Breast, Millers Falis, each \$3.00.15&10% Clamp 80% Batchet, Billings' Double Acting 381% Ratchet, Billings' Double Acting 381% Ratchet, Morre's Triple Act 26,60% Ratchet, Merrill's 20,60% Ratchet, Morre's Triple Act 26,60% Ratchet, Weston's 50% Ratchet, Weston's 50% Ratchet, Wolfrey's 50% Ratchet, Wolfrey's 50% Ratchet, Wolfrey's 50% Ratchet, Weston's 50% Ratchet, Billings' Double Acting 381% Ratchet, Willings' Double Acting 381% Ratchet, Wolfrey's 50% Ratchet, Wolfrey 50% Ratchet, Billings 500% Rocal Wolfrey 50% Rocal Wolfrey 50% Ratchet, Billings 500% Rocal Wolfrey 50% Ratchet, Billings 50% Rocal Wolfrey 50% Rocal Wolfrey 50% Ro	American Trackless881/4&20
Bench, Manneers 66% Eagle 70.210.25% Blacksmiths'	Barn Door, old pattern60&10 Barn Door, New England66%@70
Breast, Bartholomew's	25&25&10% Barry, \$6.00
Richolson County	
Hatchet, Merril's	Cronk's Roller Bearing. No. 0\$4 50 net per dozen
Hatchet, Moore's Triple Act. 26@30% Ratchet, Worle's Triple Act. 26@30% Ratchet, Wiltney's	40&10@50% No.4 5.50
Ratchet, Moore's Triple Act 25@30% Ratchet, Fletcher's 40% Ratchet, Whitney's 50% Ratchet, Weston's 20@25% Stearns' Bench 250% Upright, B. & P. 50% Upright, B. & P. 50% Hand, Goodell's 30&10% Whitney's Hand Drill, No. 1, \$10.00; Adjustable No. 10, \$12.00 383% Wilson's Drill Stocks 10% Twist DRILLs— See Augers and Bits. BLACKSMITES' Coe's 60% Prentice 60% Ratchet, Weston's Stubs' list, 30@831% Filters— Stubs Stubs' list, 30@831% Filters— Cronk's 60% Grindstone Fixture 9.8. & W. Co. Sargent's Patent 50% Kirby & Limerick, low list (30c base).10% Gunpowder— See Ammunition. Gun Wads— See Ammunition. Fish Scalers— Covert's Saddlery Works: Great American 60&30% Fitch's 50% Fit	60&10&8
Ratchet, Fletcher's 40% Ratchet, Whitney's 50% Ratchet, Weston's 90@25% Filters— ACOFIL. 50% Ratchet, Weston's 90@25% Sale 20% Ratchet, Weston's 90@25% Sale 20% Ratchet, Weston's 90@25% Sale 20% Ratchet, Weston's 90.80% Sale 20% S	Cronk's Steel, cov'd, Loose Axle. 60&8 Coburn
Ratchet, Weston's	Davis Parlor Door
Upright, B. & P	
Whitney's Hand Drill, No. 1, \$10.00; Adjustable No. 10, \$12.00	
Wilson's Drill Stocks 10% Amer. Fish Hook Co. list60@60&10% Gunpowder— See Ammunition. BLAOKSMITHS' Coe's	50@50&10% Covered50&10&10&1
Amer. Fish Hook Co. list60@60&10g Gunpowder— See Augers and Bits. BLACKSMITHS' Coe's	
See Augers and Bits. BLACKSMITHS' Coe's	Parlor: Standard# set, net,\$8.25@ —
BLACKSMITHS' Fish Scalers- Gun Wads-	Ball Bearing " " 4.00@ — New Model " " 2.75@ —
Coe's	New Champion " 2.400 —
Fitch'snet prices	McKinney's "None Better," No. 2,
	\$18.00: No. 1 Special, \$15.00. W
Drug Mills-	Richards' Single Track, Steel40&10
National Specialty Mfg. Co	Richards' Anti-Friction
Jute Rope Halters	Victor, No. 1, \$15.00; No. 2, \$20.00; No. 8, \$25.00; No. 4, \$35.00.60&10&29; Warner's Patent
Easy Lawn Swings	warner's Patent



Harness Snaps— See Snaps.	Special Hoes	Lyra, all sizes	Lawn Sprinklers— Enterprise
Hasps and Staples—	Sunhem Meadow Hoes	Neponset	Gibbs Husher
McKinney's "Perfect," \$1.10 \$2 doz.50% Wrought85@85&10%	Truck Hoes	25@25&5% Putnam 23c 21c 20c 19c 18c 831/6%	Philadelphia Lawn Mower Co •
Wrought, Stanley80%	Warren Hoes	Snowden914c 914c 914c 914c 914c net Vulcan23c 21c 20c 19c 18c 25&10s	Philadelphia Lawn Sprinkler: No. 1. No. 2. No. 8. doz. \$12.00 \$15.00 \$24.00305
Hatchets-	Hollow Augers—	Horse Shoes—	
See Axes.	See Augers and Bits.	Horse and Mule, per keg\$3.75	Leaders— Covert Mfg. Co. Cattle45s
Hay Hooks— Humason & Beckley 60&10%	Hollow Ware—	Burden's, all sizes	Lead Pipe, Etc.
Hay Racks—	RNAMELED-	Diamond State, Shoenberger, Crescent, &c\$3.75&5%	Lead Pipe, full lengths 6c
Baxter Wrought Iron, No. 1, \$1.00,	Agate Nickel Steel Ware, list July, 1899	Factory Shipmen's.	Lead Pipe, cut lengths
L uet; No. 2, \$1.50, net.	Granite Ware, list Jan. 1, 1894, revised Jan. 2, 1895	Horse Ties—	Block Tin Pipe
Hay and Straw Knives— Auburn Hay, Com. and Spear Point .50%	Second Quality, Agate Nickel Steel .65% Second Quality, Granite,	Covert Mfg. Co.: Cotton45%	Sheet Lead, cut rolls
Iwan's Hay, Sickie Edge, P doz. net \$10	70&10@70&10&10%	Hemp45% Jute85%	Lemon Squeezers—
Iwan's Hay, Imp. Serrated ♥ doz.	Peppered Ware, high list70%	Sisal20%	Berger Bros. ♥ doz. 8-in. \$1.00; 10-in, \$1.40201
Auburn Straw	Mottled Ware, high list75% Never Break Enameled 50&5@50&10%	Hose, Rubber-	Dean's, Nos. 1, \$\psi \doz. \\$3.50; 2, \$3.85; 3, \$1.65; Queen, \$2.50, net Hotchkiss, Straight Flush, \$\psi \doz. \\$9.60
Wadsworth's	STOVE HOLLOW-WARE-	Boston Belting Cc.: "Boston"	Hotchkiss, Straight Flush, & doz. \$9.60 Jennings' Star & doz. \$1.90@2.00
Hinges— WROUGHT IRON HINGES—	Ground	Competition	Little Giant Sive Silve Si
Rolled Blind Hinges, Nos. 32 and 34, .	WHITE ENAMELED-WARE-	N. J. Car Spring & Rubber Co.: Extra Para	Porc. Lined, Iron
Rolled Plate	Boilers and Saucepans50@50&10% Maslin Kettles70&10@75&56	Reliable	80&10@40g Wood, Common, ₩ gross, No. 0, \$5.00;
Rolled Raised 6 to 12 in., \$ 15,	Maslin Kettles	Standard	No. 1, \$6.50; No. 2, \$10.00,
Screw Hook 14 to 20 in., 2 ii.	SILVER-PLATED -	Ice Awls, Chippers, &c	Name Door Plate
and Strap, 234@314c. 22 to 36 in., ≥ ib.	4 mo, or 5% cash in 80 days. Hartford Silver-Plate Co	Copeland Ice Pick gr. \$9.00 net	Name Plate 70s
2½@9c.	Holmes & Edwards Silver Co.40&15&5% Meriden Britannia Co40&5%	Crown net Gem Ice Shavenet	Number Door Plate
STRAP AND T HINGES. New List, March 15, 1101.	Reed & Barton	Sargent's Ice Awis	Levels-
Light Strap	Simpson, Hall, Miller & Co40&5% William Rogers Mfg. Co40&10%	Starnet	C. E. Jennings & Co.'s: Hexagon
Heavy Strap	Hooks-	Ice Cream Freezers-	Iron Bench, new design95&10g
Heavy T	AGRICULTURAL—	See Freezers, Ice Cream.	Lifters—
Long Chest 60% Hinge Hasps and Staples 60%	Potato, all kinds70≴	lce Shredders—	See Transom Lifters. Lines—
Crate Hinges	Manure	Enterprise, No. 88.% doz. \$6.0025@80% No. 84.% doz. 15.0025@80%	Cotton and Linen Fish, Draper's 50s
Corrugated Heavy Strap80% Corrugated Extra Heavy T75&10%	BUSH-	Jack Chain-	Cotton Chalk, 20 feet. 60&101 Cotton Trot 8832
Japanned Light Strap	Jennings & Griffin's83 1/2 &5%	See Chain.	Masons': Colored Cotton40&10s
Japanned Light T	CORN-	Jack Screws-	Flax
Japanned Extra Heavy T	Kretzinger Cut-Ezy \$\(\text{dos. \$8 net} \)	See Screws.	Samson Cotton, No. 4, \$2.00; No. 41
Japanned Long Chest	OAST IRON— Bird Cage, Sargent's list60&10&10%	Kettles-	Silver Lake, Braided, No. 0, \$6.00 No. 1, \$6.50; No. 2, \$7.00; No. 8,
Japanned Crate Hinges	Bird Cage, Reading60@60&10%	Spun Brass, Plain	\$7.50 \$\ gross
Galvanized Hinges with Brass Pins,	Celling, Sargent's list. 50&10% Chandelier 70% Clothes Line, Sargent's list. 50&10% Coat and Hat, Sargent's list. 50&10% Coat and Hat, Sargent's list. 50&10% Coat and Hat, Stowell's 70% Coat and Hat, Stowell's 70% Coat and Hat, Stowell's 80% Coat and Hat	Metal10@15%	Ventilator Cord, Samson Braided, White or Drab Cot. # doz. \$7.50 . 208
60&10≴ SPRING HINGES—	Clothes Line, Sargent's list50&10%	Knives— Ames':	Wire Clothes, 100 feet, No. 18, \$2.25; No. 19, \$2.00; No. 20, \$1.75.
Bommer's Brothers. Bommer Spring Hinges40%	Coat and Hat, Reading	Bread Knives, \$\psi\$ doz \$1.5020% Butcher Knives25%	Loaded Shells—
Bommer B. B. Floor Hinges 40x Bardsley's Patent Checking 15x	mariless, Sargent s list ou@oudc lus	Shoe Knives 25% Cronk's Chopping. 88166	See Ammunition.
Chicago20% Sargent's List, 1894:	Lamp. 55% Picture. 75%	Dunian Kitchen and Bread Knives25%	Locks— Door locks, latches, &c.
Bronze Metai	Screw Hat	Foster Bros.' Butcher, &c80% Goodell's:	Branford Lock Co pet prices
Japanned Surface, Double60&104	WROUGHT IBON AND STEEL-	Bread Knives Ass'n listnet Butchernet	Champion Night Latches
Mortise	Cotton Pet (N V Wellet & Handle	Shoe Knives	Moore's Elevator Door
Tuscan Surface, Single 70% Tuscan Surface, Double 60&10%	Cotton Pat. (N. Y. Mallet & Handle Works)	Hay and Straw, see Hay Knives. Table and Pocket, see Cutlery.	Plate
Union Spring Hinge Co 's List	Hammock Hooks, E. C. Stearns,	Wilson's Butcher Knivesnet	Reading Hardware Co
Union Mfg. Co	© doz	Knives, Hay and Straw— See Hay Knives.	Yalenet prices
Wiles', No. 1, \$2 gr., \$16.00; No. 2, \$18.00	Wrought Staples, flooks, &c. See Wrought Goods.	•	GABINET— Eagle Lock Co
GATE HINGES-	MEAT—	Knobs— Bardsley's Wood Door, Shutter and	Corbin
Clark's, Nos. 1, 2, 850&10@60&10% N. E., \$\psi\$ doz. \$7.80	Enterprise	Base Dubbor Tip 01/in Doed 10 on 01 to	PADLOCES—
N. Y. State, # doz. \$4.90	WIRE—	Carriage, Jap # gr. 80c. 60% Door Mineral. R. & E. list. 50%	Acme Bicycle and Satchel, \$\varphi\$ doz.,
N. Y. State, \$\pi\$ doz. \$4.90. 60% Shepard's, Nos. 1, 2, 3. 60&10% Western, \$\pi\$ doz. \$4.90. 60%	Atlas Coat and Hat	Carriage, Jap	\$9.00
BLIND HINGES-	Crescent, Coat and Hat50&10@60g Wire Coat and Hat, Acme50&10@50	Picture, Judd's	Brown's Brass
Ciark's: Lull & Porter, Nos. 0, 1, 114, 2, 214.	&10&5% Wire Coat and Hat, Gem50&10@50	Yale & Towne Woodnet	Champion
Lull & Porter, Nos. 0, 1, 114, 2, 214, 8	& 10 & 5×	Latches—	Scandinavian 90&355 McWilliams. 255 Smith & Egge Bicycle
Nos. 1, 8, 5	Wire Ceiling, Gem50&10@50&10&5% Wire Coat and Hat, Standard45%	Oronk's Barn Door Net, \$3.25	Smith & Egge Bicycle
Parker	MISCELLANEOUS-	Lane's Barn Door40@40&10%	Yale Lock Co net prices
W. H. Co.'s No. 2 Mortise Gravity. 60% Stanley's Steel Gravity Blind Hinges,	Covert Mfg. Co.: Safety Gate and Scuttle Hooks85%	Lawn Mowers— Champion	TRUNK— Corbin's
with Screws, \$1.30 % doz, sets. 30&10%	Grass No. 2, \$1.65; 8, \$1.80; 4, \$2.00 Hooks and Eyes—Brass60&10%	Clipper Improved	Eagle
Hitching Cords—	Hooks and Eyes—Mal. Iron 70@70&10% Cotton, Box and Hay 60@60&10%	Enterprise	Machine Bolts— See Bolts.
Covert Mfg. Co	Horse Clippers—	Styles M., S., C., K., T	Mail Boxes—
Hoes- Steel Goods Association List, Aug. 1,	See Clippers.	Style E., Low Wheel	See Boxes, Mail.
1899.	Horse Nails—	Drexel, low list 60s	Mallets—
Asphalt Hoes	Nos. 6 7 8 9 10	Gold Coins, low list	Sargent's List: Hickory
Cotton Chopper Hoes	A. C 25c 28c 22c 21c 21c 40&10%	Imperial	Lignumvite50@50&10\$
Harper's No. 7 Mortar Hoes	American, all sizes	New Departure, Low Wheel	Mattocks— Cronk's Garden25%
Kretzinger, Cut-Ezy	Ausable 28c 26c 25c 24c 28c 50g Anchor 28c 21c 20c 19c 18c 40g	New York	Regular Goods60&10%
Laid Steel Edge Hoes 25&5&2% Meadow and Rhode Island Hoes, 75&	C. B. K 25c 23c 22c 21c 21c 40g Capewell 19c 19c 17c 16c 16c 10&5g	12 in. 14 in. 16 in. \$6.00 \$6.25 \$6.50 each net Pennsylvania	Meat Cutters— American
Mortar and Street Hoes75&74&24	Champlain 28c 26c 25c 24c 23c 40.85 &24	Pennsylvania	Nos1 2 8 4 B 5 Each\$5 \$7 \$10 \$25 \$50 \$60
Planter Hoes, Regular Pattern 70 & 30 % Rough Finish Shank Cotton Hoes	Clinton Fin . 19c 17c 16c 15c 14c 80&5% Essex 23c 20c 25c 24c 23c	Rapid Transit	American
75&121/65	Essex	Sunbeam	\$14 \$17 \$19 \$30



110VEMBER 25, 1901.	HAND	VV AICE	
Enterprise	Oilers—	Pliers and Nippers— Button's	Hay Fork, Sv 4-inch, \$3.75;
Each\$2 \$8 \$2.50 \$5 \$4 \$6	Brass and Copper40&10@50% Cushman & Denison's: # doz.	Carew's Pat. Wire Cutters25% Cronk's:	######################################
	Gem	Button Pattern	Hay Fork, 5-inc
\$37 \$88 \$45 Home No. 1, \$9 doz. \$98	Star Pocket Oilers	Flat and Round Nose	Stowell's Anti-H
Nos 805 810 812 820 822 \$35 \$48 \$44 \$72 \$68	Brass	Stubb's Pat. Pliers	Side, Anti Frie Shade Rack
Home No. 1, 9 doz. \$30	Steel	Hall's Nippers, # doz., No. 2, 5 in., \$18.50; No. 4, 7 in., \$21.0040&10	Upright
	Malleable, Hammers, Old Pattern,	Humason & Reckley Mfg. Co.50@50&10%	Pumps— Clatern, Best Gr
Nos	same list	Wm. Johnson's Gas Pliers00715 Morrill's Parallel 38 doz. \$12.0080&5%	Pitcher Spout, I F. E. Myers & F
Beef Shavers (Enterprise)25@30% Chadborn's Smoked Beef Cutter	Tower & Lyon Bicycle25% Wilmot & Hobbs Mfg. Co.'s Steel	Smith's Side Cutting	No. 1, Fig. 8
₩ doz. \$60.00	Anti Rust	P. S. & W. Tinners' Cutting Nip- pers add % dis. 10%	No. 8, Fig. 82 Well Pump No. 5, Fig. 80
Meat Juice Extractors	Oil Stones, etc.—	Plow Bolts—	No. 5, Fig. 807
Enterprise25@30%	OIL STONES—	See Bolts.	Pump No. 616, Fig. Well Pump
Metals, Anti-Friction—	Pike's Washita: Lily White, \$15	Plumbs and Levels-	No. 14, Fig. 59 Shallow We
Magnolia, Anti-Friction25c	Pike's Washita Mounted No. 1: \$\pi\$ doz. 8x2\$12.00	Cook's 40&10&10 Davis':	No. 82, Fig. 5:
No Name	7x2	Inclinometers	Pump No. 56, Flg. Well Pump
	5x2	Disston's	No. 59, Fig. 88 Well Pump
Monroe's Patent \$\footnote{\pi} doz. \$4.00, 40%	81/4×1 5.50 Discount, 881/4&10%.	Pocket Levels	No. 70, Fig. Well Pump
P. S. & W	Pike's Washita Axe Stones: About 2x2x¾ to 1½, % b\$.24 About 2x2x¼, extra selected40	Stratton's Pat	No. 72, Fig. 8 Pump
Sargent's	Discount, 33565.	Wood's Extension Sight25%	No. 78, Fig. Well Pump
Mitre Boxes—	India Oil Stones	Poachers— See Egg Poachers.	No. 102, Fig. Pump
C. R. Jennings & Co40%	Packing, Steam— RUBBER—	Police Goods—	No. 108, F19
Seavey's, # doz. \$80	Boston Belting Co.:	Tower & Lyon's25%	Pump No. 128, Fig Pump
Mop Wringers— Matchless (Canton, O.), \$\pi\$ doz\$12.00	"Boston'	Polish Metal—	No. 181, F19
Motors-	10 \$1.00	Prestoline Liquid, New List40% Prestoline Paste831/6@40%	Pump No. 225, Fig Pump
COFFEE MILL	Standard, Fair Quality70&10@75% MISCELLANEOUS— # 15	Prestoline Paste	No. 235, Fi
Specialty Novelty Coeach \$5.00	American Packing 9c@10c	% gross	Pump No. 240, Fig Pump
Nails—	Cotton Packing		Pump No. 265, Fig. Force Pum
WIRE AND OUT NAILS— See Review of the Markets for	Jute	8 gross	No. 267, Fig Force Pum
quotations. Wire Nails and Brads, Papered, Ass'n	Padlocks—	₩ doz	No. 268, Fig Tank Force
list, July, 189985@85&10%	See Locks.	Polish, Stove—	No. 802, Fig. complete
PICTURE— Brass Head, Combination list	Parers— APPLE— \$\forall \text{doz}.	Dixon's Plumbago % 1b Joseph Dixon's gro. \$5.75, 10%	No. 820. Fig.
Brass Head, Sargent's list 70@70&5% Niles' Patent	Advance	Gem	Pump No. 880, Fi Spray Pum
Porcelain Head, Comb'n list40% Porcelain Head, Sargent's list50%	Bonanzaeach 5.00 Dandyeach 7.50	Poppers, Corn-	Discount,
FURNITURE—	Eureka, 1898each 16.00 Family Bay State 12.00	Round or square, \$\forall doz. \$\forall gro. \\ 1 \tau \cdots \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau \tau	Punches-
Antique Bronze	Improved Bay State\$27@30.00 Little Star4.00	9 ot 1.15 10.50	Bemis & Call C Cast Steel Dr
Fire Gilt	New Lightning 5.20 Penn 8.75	Quincy Corn Popper, 1 qt., \$\pi \doz. \$8.00; 2 qt., \$4.00	Check Spring
Nail Pullers—	Porfaction 4.00	Post Hole Diggers— \$ doz.	Springfield S Morrill's Unive
Ajax, 5 bs	Reading, 72 4.00 Reading, 78 7.00 Scott's Pat. Rotary \$15.00, 905 Turntable, Old Style 4.50 Turntable, Style 5.50	Disston's Samson Digger\$34.00, 25% Iwan's Split Handle, & doz net\$8.50 Iwan's Perfection, & doz. net\$9.00	Niagara Hollov Niagara Solid
Black Hawk, \$\psi \doz \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Turntable, Old Style 4.50	Ryan's	Saddlers' or Dr Spell's Tinners
Eureka, No. 74	Willie Montham	Post Hole Augers—	Spring, good que Spring, Leach's Tinners' Solid
Sureka, No. 75. # doz. net \$0.00 Glant, No. 1, # doz. \$18.00; No. 114, \$16.50; No. 2, \$15.00	FOTATO— \$9 dos. Saratoga\$5.50	Iwan's Patent Improved	♥ QOZ
Lightning. ## doz. \$18.00, 20% National ## doz. \$4.00, 40%	White Mountain 4.50	Potato Hooks, etc.—	Tinners' Hollo
Scranton Improved in Case Lots:	Pencils— Dixon's: \$\pi\$ gro.	Hoe Down Hooks	Rail— Barn Door, Lig
Small, No. 3	Carpenter's	Potato Hooks	₩ 100 feet Barn Door, "I
No. 8 D	Lead 4.00@7.50 Lead 2.18@4.88	See Ammunition.	# foot
" No. 2 & doz. 5.75 " No. 2 B & doz. 5.50	Lumber	Presses—	B. D. for N. E.
" No. 2 D # doz. 4.50	Mascot, Round	See Fruit and Jelly Presses. Primers—	Angular, # f
Nail Sets - Buck Bros	Percussion Caps— See Ammunition	See Ammunition.	Carrier Steel F Cronk's:
Cannon's Diam'd Point, \$\pi\$ gro. \$12, 25% Elumason's		Pruning Hooks and Shears—	O. N. T. Styl
20 mm	Picks— Railroad or Adze Eye, 5 to 6, \$19.00.	Cronk's Pruning Shears	Double Brace Lane's:
Hunters' Cup Point, Knurled Hunters' Cup Point, Plain Octsory 40024.75	6 to 7, \$18.0060&10@60&10&10	Disston's Combined Pruning Hook and Saw 9 doz., \$18.00, 25@25&10%	O. N. T., 1 ir O. N. T., 114
Octagon	Planes and Plane Irons-	and Saw \$ doz., \$18.00, 25@25&10% Disston's Pruning Hook, \$ doz., \$12.00, 25@25&10%	Standard, 11/2 Stowell's Wrote
Snell's:	wood planes— Bailey's (Stanley R. & L. Co.)	Henry's:	Sliding Door, Iron, # foot.
Octagon	50&10@60≰	Pruning Shears 50&5% Orange 50&80% Grape 50&10%	Sliding Door, Floot
Nippers-	Bench, First Quality 45@45&10% Bench. Second Quality	Tree Pruners	Sliding Door, V
Acme	Molding40625%	Waters' Tree Pruners	Victor Track I
Todd's Cutting50%	IBON PLANES— Chaplin's Iron Planes50&10@60%	Wheeler, M. & C. Co.'s Combina- tion	Rakes, Etc Cronk's:
Nut Crackers— 9 gro.	C. R. Jennings & Co., Iron 50&10s		Wrought Ste Queen City 1
Acme, Japanned \$30.00 .40% Acme, Nickel Plated 80.00 .20% Turner & Seymour Mfg. Co 50%	Sargent's	Awning	Steel Garden F
974	Stanley Rule & Level Co.: Bailey's	Brass Screw	Steel Road Rai
Hot pressed, square, blank\$5.80	Steer's Iron Planes	Clothes Line, Japanned60% Common Sense60%	Turf Edger Prize Bow Brad
Het messed hemens his-h		Dumb Waiter	Peerless Shanl
Hot pressed, hexagon, blank 6.00 Hot pressed, square, tapped 5.20	PLANE IRONS—	Rmnire Sash Pulley And	Papriose Socho
Hot pressed, hexagon, blank 6.00 Hot pressed, square, tapped 5.20 Hot pressed, hexagon, tapped 5.90 Cold punched, plain, square, blank 5.10	Auburn "Thistle"	Empire Sash Pulley60%	Peerless Socke Level Head Si
Hot pressed, hexagon, blank 6.00 Hot pressed, square, tapped 5.20 Hot pressed, hexagon, tapped 5.90 Cold punched, plain. square, blank 5.10 Cold punched, plain. square, blank 5.10	Auburn "Thistle"	Empire Sash Pulley60%	Peerless Socke Level Head Si Rasps, Ho
Hot pressed, hexagon, blank 5.00 Hot pressed, square, tapped 5.20 Hot pressed, hexagon, tapped 5.90 Cold punched, plain, square, blank 5.10	PLANE IRONS— Auburn "Thistle"	Empire Sash Pulley	Level Head Si

Swivel Eye, \$\pi\$ doz.,
5; 6-inch, \$5:00......55\$

crtz, 4\(\frac{1}{4}\)-inch, \$\pi\$ doz.,
50\(\pi\$-102.....50\)

nch, 8olid, \$5:70....50\$

1-Friction, 5-in. Wheel,
00....40\$

riction...50\$

50\(\pi\$-102.080\(\pi\$)08.10\(\pi\$-108.10\$

50\(\pi\$-102.080\(\pi\$)08.10\(\pi\$-108.10\$

50\(\pi\$-102.080\(\pi\$)08.10\(\pi\$-108.10\$ 828, 814 in. Shallow
15.00
807, 8 in. Deep Well
25.00
8. 807, 814 in. Deep
17.00
521, 8 inch Deep or
Vell Pump
523, 8 in. Deep Well
523, 8 in. Deep Well
17.00 332, 314 in. Shallow 17.00 25, 383, 214 in. Deep 15.00 338, 3 in. Deep Well Fig. 448, 8 inch Lift
9.00
Fig. 448, 8½ in. Lift
Fig. 510, 8 in. Lift
7.00
Fig. 510, 8½ in. Lift
7.00
Fig. 889, Windmill
Fig. 408, Windmill
Fig. 408, Windmill
9.50
Fig. 406, Regulator
9.572, Cyclone Tank
mp. 16.00 g. 672, Cyclone Tank
tmp
16.00
rig. 488, Geyser Tank
tmp
16.00
rig. 518, Low Down
rce Pump
16.00
g. 477, Spray Pump,
11.50
ig. 492, Bucket Spray
Fig. 547, Knapeack
tmp
10.00
tt, 50% f. o. b. Ashland. Drive, good ... 60@65%
quality, \$\tilde{0}\ dos.,\$1.70@1.80
h's Pat. 1.56%
lid, P. S. & W. Co.,
\$1.44, 55%
Llow, P. S. & W. Co.,
20&2% "None Better" No. 1,

334c
"None Better" No. 2,

4c
E. Hangers:
9 foot, 8c. 70%
ange. 9 foot, 8c. 70%
tyle, No. 18. 8 c
aced 314c
11 11 \$2.05
14 in. 8.50
14 in. 8.50
15 in. \$2.05
17 in. \$2.05
18 in. \$3.75
19 in. \$3.75
19 in. \$3.75
10 in. \$



		· · · · · · · · · · · · · · · · · · ·	110VEMBER 25, 1901.
Razors-	Samson: "Mass." White, Cotton2216@24c	Saw Sets-	Drive Screws, Diamond Point 8714@90%
ElectricList net "John Engstrom"net prices	"Samson" Braided White, Cotton	Atkins: Criterion Saw Sets & doz. \$6.00	Iron, Bright Flat Head 874@90g Iron, Bright Round and Oval Head
J. R. Torrey Razor Co	"Samson" Braided Drsb. Cotton	Excelsior Saw Tools doz. 6.00 Bemis & Call Co.'s:	Nickel Plated, Iron Flat Head75@60
£10%	* Samson" Braided Italian Hemp	Cross Cut	Nickel Plated, Iron Round Head. 75@80%
Registers and Ventilators—	# 15 82 1/2 @ 35c "Samson" Braided Linen # 15.50@55c	Plate	MACHINE-
HOT AIR-	Silver Lake: A Quality, Drab 39 lb 40c, 5%	Spring Hammer	List, January 1, 1898.
New List, Sept. 2, 1901:	A Quality, White	Star	Brass, Flat Head
Black Japanned	United States:	Kohler's: "Giant Royal" % doz. \$9.00	Iron, Flat Head
Bronzed Finishes. 70% Electro-Plated . 70%	B Quality % ib 1814c C Quality % ib 1714c	"Royal"	
Nickel Plated. 70% White Porcelain 60%	White Cotton, Hard Braided ₩ 15 18c	Morrill's: No. 1, \$15.00; No. 10, \$15.50; No. 11,	COACH, LAG AND HAND BAIL-
Solid Brass and Bronze Metal50%	Such Fostoners Walders &c.	\$16.00	G. P. Coach. List, Feb. 14, 1895,
Rings-	Sash Lifts	5, \$31.00. 40&20% Richardson's 25%	Hand Rail
See Bull and Hog Rings.	Sash Lifts Flush	Seymour Smith & Son, Hammer	Cone Point
Rivets and Burrs—	Sash Rollers	\$\psi\$ doz. \$\psi\$ 4.75 Stillmans. \$\psi\$ doz. 1.00 Taintors Positive. \$\psi\$ 18.00 \$\psi\$ doz. 60%	BENCH, HAND, ETC.—
Belt with Burrs 40&5@40&10%	Shutter Sheaves	1 annual 1 obitive \$10.00 \$ 002. 00%	
Hose with Burrs40&5@40&10%	window screen said lifes	Scales—	Bench, Iron, \$\psi\$ doz., 1 in., \$3.25; 114, \$3.50; 114, \$4.25 Bench, Wood, Beech\$\psi\$ dos. \$4.05
iron—	Sash Locks—	Chatilion's: Eureka25%	Chair
List, Nov. 1, 1894. Ordinary, in bulk	Champion Meeting Rail70%	Favorite40%	Jack Scrows, Millers Falls, Roller
Thousand, in bulk. 70% Thousand in papers. 70%	Champion Side	Grocers' Trip Scales	Bearing 50% Jack Screws, Millers Falls, without
Coopers, in only	Fitch's:	Hatch: Counter, No. 171. # dox. \$17.00@\$18.00	Koller Bearing
Block and Carriage, in papers70% Hame	Bronze and Brass	Tea, No. 161	Jack Screws, Sargent's
Belt with Burrs, Tinned or Coppered	Gale's Automatic, List Nov., 189765% Ives' Patent:	Striped 2.15@ 2.25	
Rivet Sets-	Wrought Steel	Scale Beams—	Scroll Saws-
Regular List	wrought Bronze and Brass55&5%	Chatillon's No. 1	Barnes' No. 1, \$8; No. 6, \$10; No. 7, \$15
Rollers-	Cast Iron	Chatillon's No. 2	Barnes' Scroll Saw Blades40%
Lane's, Stay83½\$	Payson's Perfect		Cricket
_		Scrapers, &c.—	Lester, complete, \$10.00
Rope—Cotton Rope, Best, 30 h	Sash Weights-	Adjustable Box Seraper (8. R. & L. Co.) \$6.00	
d inch and larger	8mall lots	Box, w Handle & doz. \$8.00@4.00	Scythes, Grass— \$\psi\ doz.
14c Medium, 14 in. and larger	•	Foot	Natural Finish
A grade 81/a	Sausage Stuffers or Fillers-	Ship, R. I. Tool Co10%	Painted or Bronzed 8.00
C grade	Draw Cut, No. 4each \$80.00, 20%	SIDEWALK—	Weed and Bush 7.25@ 7.50
7-16 in. and larger	Enterprise Mfg. Co25@25&714% National Specialty Mfg. Co25%	Kohler's, Steel No. 7 doz. \$8.00	Seeders-
% in 181/c 14 and 5-16 in 14 c Hay Rope, Medium 181/c		Screens-	Raisin, Enterprise
Sisal: 7-16 in. and larger 914c	Saws— Atkins;	DOOR-	
% in	Band 7 to 14 in. Wide 60&104	Phillips: \$\psi \doz.	Shears—
	Band 2 to 6 in. Wide	Min., Style E, Fancy Screen Doors	Acme (Cast)
Rules—	Butcher, Pruning and Compass. 40&5% Circular50&10%	76-in., Style G, Common Screen Doors	Ætna, Steel Nickeled70&20% Barnard Lamp Trimmersnet
Athol, Steel	Cross Cut	Doors 6.80 %-in., Style K, Fancy Screen Doors 8.00	Carrier Cutlery Co.: N. P. Straight Trimmers66%
.ufkin's:	w ood40≰	%-in., Style K4, Fancy Screen Doors 8.50	N. P. Bent Trimmers 66%
Steel	Disston's: Circular, Solid and Inserted Tooth .50%	WINDOW-	Japanned Straight
tarrett's Rules and Straight Edges.	Band 8 in. to 14 in. Wide	Porter Screen Mfg. Co60@60&5%	Heinisch's: St. Trimmers, etc60&10@60&10&10\$
Steel25&10	Cross Cuts	Phillips: Bonanza Screens60@60&5g	Tailors' Shears. 40% Tinners' Snips
Sad Irons-	Mulay, Mill and Drag	Express 60@60&5% Flyer 60@60&5%	Pruning. See Pr'ning Hooks & Shears. Seymour's Standard List:
hinese Laundry # 15 414c	Wood Saw Blades40≰	Perfection Screens	Japanned
hinese Sad	Wood Saw Rods. 20% Hand Saws, Nos. 12, 99, 9, 16, D100,	Northwest	Standard Cutlery Co.: Japanned
ommon 4 to 10	D8, 120, 76, 77, 8	Screw Drivers—	Nickeled
COLD HANDLED-	Compass, Keyhole, Pruning, Dove-	Brace Screw Drivers25&10&5%	Nickel Scissors
nterprise Mfg. Co. of Pa80&5% elf-heating doz. \$10.00, 20%	Butcher Saws and Blades	Back Blos	Japan Shears
CII-LICATING 'I'RIINTR' BU NOW 90 FN 95#	Haines' Needle Point40% C. E. Jennings & Co.'s:	Screw-Driver Bits	Tailors' Shears
ensible Nickel	Butcher	graph and Cabinet Makers! 70d	Tinners' Snips40&10%
ensible, Tailors' \$7 15 414c	Peace: 25@80%	Electric Spiral No. 01 . \$\pi\$ doz. \$6.00 net Electric Spiral No. 02 . \$\pi\$ doz. 5.00 net Ellrich's Socket and Ratchet 40&105	Shears, Hedge—
Safety Fuse—	Cross Cuts45&10%	Fray's Hol. Hdle. Seta, No. 8\$12, 50%	Wm. Wilkinson & Sons50%
ce Fuse.	Hand Panel and Rip25&10% Richardson:	Fray's Hol. Hdle. Sets, No. 8 \$12, 50% Howard-Allard \$1 \(\phi \) doz., \$9.00 net A2 \(\phi \) doz., 8.00 net	
Safety Lifts—	Circular and Mill50@50&10% X Cuts45&10%	Jennings & Griffin	Sheaves-
surr Mfg. Co., Steel70&10%	Hand Saws	Jones Reversible Spiral No. 1, \$\varphi\$ doz. \$18.50 net; No. 2 \$\varphi\$ doz \$12.00	SLIDING DOOR-
Sand and Emery Paper and Cloth-	Woodrough & McParlin Cross Cuts 45&10%	Sargent & Co.'s: No. 1 Forg. Blade50&10@50&10&54	Corbin's list
aeder, Adamson & Co.'s:	•	Nos. 20 and 40	Hatfield's Pattern
Emery Cloth 50&10¢	HACK SAWS AND FRAMES—	Stanley R. & L. Co. 's: No. 64, Varnished Handles60&10%	M. W. Co., list July, 1888 50&10@60&5% Stowell's Auti-Friction
Garnet Paper	Chatillon	No. 86 20.8:10st	R. & E., list August 15, 1895.
Sash Balancos—	Concave Blades	Suell's Nos. 5 and 10	Russell's Anti-Friction, list December 18, 1885
aldwell Mfg. Co50%	chine Blades	Champion	
Sash Chain-	Griffin's: Complete40@45%	Machinists'	SLIDING SHUTTER-
ompetition50&10%	Saw Blades 4% Star, Saws and Blades 25%		Reading list
iant		Beauty, # doz	R. & E. Mfg. Co. 's 60@60&10% Sargent's list
ed Metal	Saw Filer-	_	
Sash Cord—	Disston's D8 Clamp and Guide, \$80.00 # doz	Screws-	Shells—
able Laid Italian # 1b 16@18c		wood screws List, January 1, 1900.	See Ammunition.
able Laid Russia \$9 10 1816@14c ommon India \$9 10 1816@10c	Saw Frames—	Brass, Flat Head	
atent Russia	C. B. Jennings & Co	Bronze, Fiat Head	Shot—
	Richardson's Woodnet	Bronze, Round Head 721/@771/4	See Ammunition.

Shovels and Spades—	GILVER PLATED FLAT WARE-	Swedes Iron Tacks:	Nellis Forkeach, 1.60 New Myers Iron Rod Car 8.25
Association prices to small trade. Io. 2, Polished, Square or Round	L. Boardman & Son Catalogue "C" net List	S. S	Reed Wood Frame Pulley with
Point, D or L Handle:	" 1847"40&10x	S. S	Hook, Fig. 434
1st Grade. 2d Grade	" Auchor"	Finishing Nails	Rev. Car., Wood Track 8.25 Rope Hich
Plain Back\$10.50 Strap Back 9.90 9.00	"Eagle"	8. S90&40%	Single Rail Car, Single Steel T 8.50 Single Rail Steel Track with
Cleveland Pattern. 10.20 9.80 C3, D4,	Rogers & Hamilton	Hungarian Nails, Steel80&15% Lace Tacks:	clamps # IIU9
8d Grade. 4th Grade	German Silver, unplated50%	S. S	Sprout's Shear Fork, each\$1.60 Steel Frame Pulley with Iron
Plain Back \$8.70 \$8.10 Strap Back 8.10 7.50	RNIVES AND FORKS NO. 12-	Trimmers' Tacks: 90&30%	Sheave, Fig. 565, & doz
Cleveland Pattern. 8.40 7.80 All other sizes, add 30c. dos.	# doz. net.	Trunk and Clout Nails: Steel, Black80&5%	Track 6.00 Walker Fork, each 1.25
Black, deduct 80c. doz.	" 1847 " \$8.50	Steel, Tinned	Wrought Rafter Brackets, # doz40
	"Anchor" 8.25 "Eagle" 8.25 "Star" 8.25	Upholsterers's Tacks: S. S	
Shovels and Tongs—	"Star"		Transom Lifters—
rass Head60&10@60&10&10% ron Head60&10@60&10&5%	Rogers & Hamilton 8.25 Holmes & Edwards 8.09	MISCELLANEOUS-	Ajax
		Double Point, in dozens, 90&10&10&10&10&10	Bronze Metal, with Safety Spring 50@50&10x
Shutter Bars—	Springs—	Double Point, in bulk	Crescent 70@70&10% Dickson's 60%
ves'45%	See Door Springs.	Shade, in dozens90&10&10%	Nickel Plated
	Souton Delener	Shade, in bulk80%	804, \$\pi\$ 100 \$12.00
Shutter Bolts-	Spring Balances—	Tack Pullers -	Copper Finished
ee Bolts, Shutter.	See Balances.		Lever
Cidena Wilson	Spring Hinges-	Columbia, No. 1, \$\pi\$ doz., net\$1.00 Columbia, No. 2, \$\pi\$ doz., net 1.50 Little Jack \$\pi\$ doz., 1.00	
Sifters, Flour—	See Hinges.	Little Jack Ø doz., 1.00	Traps—
unter's Genuine gross, \$10@\$11.50	-		FLY-
Skate Sharpeners-	Squares—	Tapes, Measuring—	Balloon # doz. \$1.25, # gro. \$12.00 Globe # dcz. 1.25, # gro. 12.00
nreks # doz. \$1.75; # gro. \$18.00	Disston's Try Square and T Bevels, 60&10≴	American Asses' Skin40&10@80% Leather Case25@25&10%	Harper doz. 1.40, \$6 gro. 15.00
	Starrett's Micrometer Caliper Squares,	Steel	gans—
Slaw and Kraut Cutters-	25% Try Square and T Bevel 60&10	Kennel & Esser Co., New List, 1050.	Star, Blake's Pattern60&10&10
isaton's:	@60&10&10% Winterbottom's Try and Mitre40&10%	Steel and Metallic	Enterprise Mole
Slaw, Vegetable, Corn Grater, Tur- nip Shredder40%	Nickel-Plated. New List Jan. 5, 1900,		Newhouse
Kraut Cutters, 24x7, 26x6, 80x955% Kraut Cutters, 86x12, 40x1240%	Steel and Iron	Tap Borers—	Victor
nterprise 25@3U%		See Borers, Tap.	MOUSE AND RAT-
nterprise Mfg. Co	Staples—		Erie Rat 40@40&10s
1 Knife \$\mathbb{g}\text{ gro. \$16.50@\$30.00} \\ 2 Knives \$\mathbb{g}\text{ gro. } 22.50@ 30.00	Barbed Blind—1/4, 5/4, and 3/4 inch, 18/4c.@9c.	Taps—	Hotchkiss: Metallic Mouse 50x
Krant Cutters		American Screw Co.: Machine Screw70%	Improved Rat
oodrough & McParlin40%	FENCE-	Holroyd & Co.'s: Blacksmiths	New Rat
Sledges and Heavy Hammers-	Same price as Barb Wire. See Trade Report.	Machine Screw	Mouse, Catch-'em-alive, & doz.\$2.50, 159 Mouse, Delusion
ee Hammers.	-	Pipe, 16 to 11/6	Mouse, Ideal, \$\pi\$ gro\$9.00 Mouse, Round Wire, \$\pi\$ doz\$1.00, 10
	Stay Bollers-	Pipe, 2 to 4	Mouse, Wood, Choker, & doz. holes, 9@100
Slicers-	Cronk's, No. 50	Thumb Latches—	Marty French Rat and Mouse Traps
egetable, Enterprise25%	No. 60	See Handles.	(Genuine): No. 1, Rat, each \$1.18, \$ doz\$12.00
•	· No. 65	God Handros.	No. 8, Rat, % doz., \$6.00; case of 50 5.20
Smiths' Bellows-	Steels-	Tinware-	No. 816, Rat. & doz., \$4.75; Case
ee Bellows.	Chatillon's	Stamped, Japanned and Pleced,	of 78
		Net Prices.	of 72
		Tire Bolts-	
Snaps, Harness, &c.—	Stocks and Dies.	III4 Dolla-	case of 150 8.20
nchor (T. & S. Mfg. Co.)	Stocks and Dies.	See Bolts.	case of 150
nchor (T. & S. Mfg. Co.)		See Bolts.	case of 150
nchor (T. & S. Mfg. Co.)	Bicycla— Holroyd & Co	See Bolts. Tobacco Cutters-	case of 150
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	See Bolts.	case of 150. 2.26 Schuyler Rat Killer, No. 1, \$2 gro., \$15.00; No. 2, \$2 gro. \$15.00 Mouse, No. 3 OSmith & Egge Mfg. Co.: \$2 doz. Superior Rat Trap \$15.00 Yankee Mouse Trap 5.56
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	See Bolts. Tobacco Cutters— National Specialty Co40%	case of 150. 2. 28 Schuyler Rat Killer, No. 1, \$200, \$15.00; No. 2, \$200. \$15.00 Mouse, No. 8
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	See Bolts. Tobacco Cutters— National Specialty Co40%	case of 150. 2.28 Schuyler Rat Killer, No. 1, \$gro., \$15.00; No. 2, \$gro \$15.00 Mouse, No. 3. 9.00 Smith & Egge Mfg. Co.: \$9 doz. Superior Rat Trap \$16.00 Yankee Mouse Trap 5.50 Yankee Rat Trap 11.00 Trowels—
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	See Bolts. Tobacco Cutters	case of 150. 2.28 Schuyler Rat Killer, No. 1, \$gro., \$15.00; No. 2, \$gro \$15.00 Mouse, No. 3. 9.00 Smith & Egge Mfg. Co.: \$9 doz. Superior Rat Trap \$16.00 Yankee Mouse Trap 5.50 Yankee Rat Trap 11.00 Trowels—
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	See Bolts. Tobacco Cutters— National Speciaky Co40% Enterprise Mfg. Co25@30% Toilet Clippers— See Clippers.	case of 150. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	See Bolts. Tobacco Cutters— National Speciaky Co	case of 150. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	See Bolts. Tobacco Cutters— National Speciaky Co	case of 180. Schuyler Rat Killer, No. 1, #gro., \$15.00; No. 2, #gro
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters	case of 150. Schuyler Rat Killer, No. 1, #gro., \$15.00; No. 2, #gro
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	See Bolts. Tobacco Cutters	case of 150. Schuyler Rat Killer, No. 1, #gro., \$15.00; No. 2, #gro
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters	case of 150. Schuyler Rat Killer, No. 1, #gro., \$15.00; No. 2, #gro
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters	case of 180. Schuyler Rat Killer, No. 1, #gro., \$15.00; No. 2, #gro
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters	case of 180. Schuyler Rat Killer, No. 1, #gro., \$15.00; No. 2, #gro
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters	case of 180. Schuyler Rat Killer, No. 1, #gro., \$15.00; No. 2, #gro
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters	case of 150. Schuyler Rat Killer, No. 1, #gro., \$15.00; No. 2, #gro., \$15.00 Mouse, No. 3. Smith & Egge Mig. Co.: # doz Superior Rat Trap \$15.00 Yankee Mouse Trap 5.5 Yankee Rat Trap 11.00 Trowels— Brade's Brick. 200 Disstores: Brick and Pointing. 250 "Standard Brand" and Garden 40 C. E. Jennings & Co.: Brick 200 Plastering. 250 Pointing 200 W. & McP. Plastering 250 Peace's Plastering 250 Peace's Plastering 250 Peace's Brick, Plastering and Moulders. 256.55 Vegetable Silcers—
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters	case of 150. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters	Case of 150. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters	case of 150. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters	case of 150. Schuyler Rat Killer, No. 1, #gro., \$15.00; No. 2, #gro., \$15.00 Mouse, No. 3. Smith & Egge Mig. Co.: #doz Superior Rat Trap \$15.00 Yankee Mouse Trap 5.5 Yankee Rat Trap 11.00 Trowels— Brade's Brick. 200 Disstories: Brick and Pointing. 250 "Standard Brand" and Garden 40 C. E. Jennings & Co.: Brick 200 Plastering. 250 Pointing 200 W. & McP. Plastering 200 W. & McP. Plastering and Moulders. 250 Vegetable Silicers— Enterprise Mfg. Co. 250 Vises— Solid Box 40&10@50 V. & W. 40 Fisher-Norris 15&10.
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters-	case of 150. Schuyler Rat Killer, No. 1, #gro., \$15.00; No. 2, #gro
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters-	case of 150. Schuyler Rat Killer, No. 1, \$ gro., \$15.00; No. 2, \$ gro
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters-	case of 150. Schuyler Rat Killer, No. 1, \$ gro., \$15.00; No. 2, \$ gro
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters-	case of 150. Schuyler Rat Killer, No. 1, #gro., \$15.00; No. 2, #gro
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters-	case of 180. Schuyler Rat Killer, No. 1, #gro., \$15.00; No. 2, #gro
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters-	case of 150. Schuyler Rat Killer, No. 1, #gro., \$15.00; No. 2, #gro \$15.00 Mouse, No. 2, #gro \$15.00 Smith & Egge Mig. Co.: #doz Superior Rat Trap \$15.00 Yankee Mouse Trap \$15.00 Yankee Mouse Trap \$15.00 Yankee Mouse Trap \$25.00 Frade's Brick \$20 Disston's: Brick and Pointing \$25 "Standard Brand" and Garden \$25 "Standard Brand" and Garden \$25 "Standard Brand" and Garden \$25 Plastering \$25 Pointing \$25 Pointing \$25 Pointing \$25 Pointing \$25 Peace's Plastering \$25 *Rose" Brick, Plastering and Moulders \$25 Vises— Soild Box \$40 V. W. & W \$40 Fisher-Norris \$15 Armstrong's: Combination \$50 Plain and Hinge \$60 Athol, Oval Silde \$60 Adams, Diamond \$40 Howard's \$40 Howard's \$40 Little Giant Bench \$25 **Enter Peace \$25 **Continuation \$40 Little Giant Bench \$25 **Continuation \$40 Little Giant Bench \$25 **Continuation \$25 **Continuation \$25 **Continuation \$40 Little Giant Bench \$25 **Continuation \$25 **Continuation \$25 Little Giant Bench \$25 **Continuat
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters-	Case of 150
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters— National Specialty Co	case of 150. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
nchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	Tobacco Cutters-	case of 150. 2.35 Schuyler Rat Killer, No. 1, ♥ gro., \$15.00; No. 2, ♥ gro



Millers Falls:	Wire Gauges-	Wrenches-	Boardman's
Mechanics'net@10% Oval Slide50&10%	See Gauges.	Agricultural	Coes': Genuine
Ball Clamp		Alligator70%	" Mechanics' " 40&10&10&5&5
Gravitynet Hand15%	Wire and Wire Goods-	Baxter's	Coes' Pattern, Wrought Bar60&5@
Moore's20%	Brass Wire20%	Briggs Pattern80&10%	€0&10≰
Phenix	Bright Wire Goods, New List85&10% Cast Steel Wire50%	No. 2 Cylinder	Donohue's Engineer 40% Eagle Pipe 50&10%
Bargent's40%	Copper Wire	Patent Combination Black 40&5%	Gem
Simpson's Adjustable	Annealed and Tinned on Spools70% Brass and Copper on Spools60%	Patent Combination Bright40% Bicycle:	Stillson Pipe
Trenton 40@40&5%	Spooled Wire, ass'd for Retailing 70%	Club40%	Acme60@60&5\$
Wright's Pipe40%	Market Wire, Bright and Annealed:	Superior40%	Bull Dog
SAW FILERS-	Nos. 6 to 9	Featherweight40% Protection40%	J. H. Williams & Co
	Nos. 19 to 26		4372 001 020
Bonney's No. 2, \$15.0040&10@50% Cincinnati40%	Nos. 27 to 36	PAINTS, OILS	AND COLORS.
Stearns Com. No. 0, 1, 2 and 8,	Nos. 6 to 9	Oils—	Spirits Turpentine—
50@50&10% Stearns Rubber Jaw, Nos. 10 and 83,	Nos. 10 to 18	Linseed, City, Raw, in barrels, # gal. 61c	In regular bbls
8816@40s	Nos. 27 to 86	Linseed, City, Boiled, in barrels,	In machine bbls
Wentworth's40%	Tinned: Nos. 6 to 14	₩ gal. 63c	Dry Colors-
	Nos. 15 to 18	Out of Town on Spot \$\pi\$ gal. 61c	₹ 1b
Wads-	Nos. 27 to 86	Calcutta, Raw, in barrels gal. 85c	Blue, Chinese
See Ammunition.	Picture Wire, List of Oct. 2, 1900	Lard, Prime City \$ gal. 72@74c Extra. No. 1 52@54c	Blue, Ultramarine 6 @30 e
	85@85&10\$	No. 1	Sienna, Italian, burnt &
Wagon Jacks—	Steel Music Wire, Nos. 12 to 50, lm- ported	NO. 1	powdered
Covert Mfg. Co.'s, Steel45%	Stub's Steel Wire\$6.00 to £ 331/65	Paints and Colors-	Sienna, Italian, raw &
Lane's Steel	Wire Clothes Lines—	Barytes, Foreign Floated, * ton,	powdered 8 @ 7 c
		\$20.00@\$ 21.00	Umber, Turkey, burnt 214@ 8146
Washer Cutters—	See Lines.	Barytes, American Floated, & ton,	Umber, Turkey, raw 21/4@ 81/40
Otis A. Smith's20&10&10%	Wire Cloth, Netting, &c	\$19.00@\$20.00	Green, Chrome, Ordinary 5 @ 7 c
	Galvanized Wire Netting 80&10@80&20%	Barytes, Crude \$\pi\$ ton 9.00\@ 10.00	Green, Paris, in bulk15 @16 c
Well Wheels—	Painted Screen Cloth, good quality,	White Lead, American, Dry, in bbls.	Indian Red, American 214@ 8 c
Japanned, 8 to 14 inches 70%	₩ 100 sq. ft. \$1.00@1.10	White Lead, American, in Oil, in lots	Indian Red, English 414@ 814c
	Wire Rope-	of less than 500 ibs	Colors in Oil-
Weed Extractors—	New List July 1, 1899.	In lots of 500 hs. and over # h. 614c	Black Lampblack, best 18 @15 c
" Pastime " 💝 doz. \$1.75 net	Cast Steel	White Lead, Foreign, in Oil. # 15. 8@914c	Black Lampblack, common. 8 @10 e
	Iron	Litharge, Kegs	Blue, Chinese
Window Cleaners—	Iron, Galvanized25&10%	Zinc, American, Dry # 15. 43/4@51/4c	Blue, Prussian
Barnes Mig. Co	Wire Rope Clips-	Puttv-	Blue, Ultramarine 14 @18 c Sienna, burnt 11 @18 c
Clayton's25&10%	Crosby	In bulk	Sienna, raw
Window Stop Adjusters-		In bladders 2.40	Umber, burnt
ves' New List	Wire Stretchers-	In cans, 50 lb	Umber, raw
Taplin's "Perfection"	W. C. Heller's Grip \$ doz. \$1.50	In cans, 1216 B	Brown, Vandyke 11 @18 c

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Tower & Lyon, New York.

Drills, Bench.

Chandler & Farquhar, Boston, Mass. Silver Mfg. Co., Salem, Ohio. (See Twist Drills.)

Drilling Attachments. Silver Mfg. Co., Salem, Ohio.

Drills, Blacksmiths', Etc. Sargent & Co., New York. Silver Mfg. Co., Salem, Ohio.

Drill Presses. Silver Mfg. Co , Salem, Ohio.

Dumb Waiters.

Kimbali Bros. Co., Council Bluffs, Iowa.

Duplicators.

Felix F. Daus Duplicator Co., New York

Electric Bells and Supplies.

John H. Graham & Co., New York. Smith & Hemenway Co., New York.

Elevator Enclosures and Cars. J. E. Bolles Iron and Wire Works, Detroit, Mich.

Elevators.

Kimball Bros. Co., Council Bluffs,

Emery and Garnet Paper.

Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Enameled Bath Tubs. Colwell Lead Co., New York.

Engravers.

Standard Engraving Co., New York,

Ensilage Cutters. Silver Mfg. Co., Salem, Ohio.

Envelope and Stamp Lubrica-Pelouze Scale & Mfg. Co., Chicago.

Escutcheons and Push Plates.

Brass Goods Mfg. Co., Brooklyn, N.Y. Sargent & Co., New York. Expansion Bolts.

D. C. Seaman & Co., Philadelphia.

Export Agents.

John H. Graham & Co., New York.

Farming Tools.

Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madison, Iowa.

Faucets, Metal.

John H. Graham & Co., New York. Smith & Hemenway Co., New York.

Faucets, Wood.

John Sommer's Son, Newark, N. J.

Fence Machines.

Superior Fence Machine Co., Detroit, Mich. Torrent Pump & Fence Co., Cleve-land, O.

Fences, Wire and Iron.

W. J. Adam, Jolie, Ill.
J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Clinton Wire Cloth Co., Clinton, Mass.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Yan Dorn Iron Works Co., Cleveland,
Ohio.

Field Hoes

Geneva Tool Co., Geneva, O.

Files.

G. & H. Barnett Co., Philadelphia. Alfred Field & Co., New York. Hayes File Co., Detroit, Mich. Mayer & Co., Philadelphia, Pa. Nicholson File Co., Providence, R. I.

Champion Safety Lock Co., Cleveland, O.
Fulper Pottery Co., Flemington, N.J.

Alfred Field & Co., New York.,
Harrington & Richardson Arms Co.,
Worcester, Mass.
Remington Arms Co., New York.
J. Stevens Arms & Tool Co., Chicopee
Falls, Mass.

Fishing Floats.

Enterprise Mfg. Co., Akron, Ohio. J. M. Mast Mfg. Co., Lancaster, Pa.

Fishing Tackle.

Enterprise Mfg. Co., Akron, O.

Flat Ware.

See Plated Ware.

Floor Plates.

Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

Flower Pot Stands.

Gilbert & Bennett Mfg. Co., New York and Chicago.

Fodder Cutters.

Silver Mfg. Co., Salem, Ohio.

Food Choppers.

Enterprise Mfg. Co. of Pa., Phila., Pa. Sargent & Co., New York, and New Haven, Com.

Forgings, Carriage.

Columbus Bolt Works, Columbus, O.

Foundry Riddles.

Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.

Fox Machine Co., Grand Rapids, Mich. Sargent & Co., New York.

Fruit Presses.

Enterprise Mfg. Co. of Pa., Philadelphia.

Furnace Shovels. Geneva Tool Co., Geneva, Ohio.

Garden Hoes.

Geneva Tool Co., Geneva, O.

Garden Tools.

Alfred Field & Co., New York. Geneva Tool Co., Geneva, O.

Gasfitters' Supplies.

Colwell Lead Co., New York.

Gasoline Lamps.

Argand Vapor Lamp Co., Detroit, Mich. Imperial Gas Lamp Co., Chicago, Ill.

Cronk & Carrier Mfg. Co., Elmira, Smith & Hemenway Co., New York.

Gas Stoves.

Favorite Novelty Co., Detroit, Mich.

Gauges, Butt.

Stanley Rule and Level Co., New York,

Glass Cutters.

John Byrnes, New York. Smith & Hemenway Co., New York.

Allerton-Clarke Co., New York. Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago. N. Y. Cabinet Glue Works, New York. Tower & Lyon, New York.

Graphite.

Joseph Dixon Crucible Co., Jersey City, N. J.

Grass Hooks.

Iowa Farming Tool Co., Ft. Madison,

Grindstones.

Cleveland Stone Co., Cleveland.

Gummers, Saw.

R. C. Atkins & Co., Indianapolis, Ind.

Gunpowder.

Tower & Lyon, New York.

Gun Implements.

Remington Arms Co., New York.
Union Hardware Co., Torrington,
Conn.

Hair Felting.

Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Halter Chains.

Covert Mfg. Co., West Troy, N. Y. Halters, Web and Rope.

Covert Mfg. Co., West Troy, N. Y.

Columbus Anvil & Forging Co., Col-umbus, O.
John H. Graham & Co., New York.
Arthur R. Robertson, Boston, Mass.
Sargent & Co., New York.
Smith & Hemenway Co., New York.
Stanley Rule and Level Co., New
York.
The Screpton & Co., New Haves

The Scranton & Co., New Haven, Conn.

Handles, Tool.

Berger Bros. Co., Philadelphia. Geneva Tool Co., Geneva, O. N. Y. Mallet & Handle Works, New York, N. Y.

Hangers, Coat and Hat.

Cronk & Carrier Mfg. Co., Elmira, N. Y.

Berger Bros. Co., Philadelphia.

Hangers, Pipe.

Hangers, Barn Door. Cronk & Carrier Mfg. Co., Elmira, John H. Graham & Co., New York, Lane Bros. Co., Poughkeepsie, N. McKinney Mfg. Co., Allegheny, Pa.

Hangers, Joist and Wall. National Iron & Wire Co., Cleveland, Ohio. Van Dorn Iron Works Co., Cleveland, Ohio.

Hangers, Parlor Door. John H. Graham & Co., New York. Lane Bros. Co., Poughkeepsie, N. Y. Sargent & Co., New York.

Hardware Cabinets. J. D. Warren Mfg. Co., Chicago, Ill.

Hardware Cases.

J. D. Warren Mfg. Co., Chicago, Ill. Hardware Mfrs' Agents, Etc.

John H. Graham & Co., New York. Robert Murray, New York.

Hardware Shelving.

J. D. Warren Mfg. Co., Chicago, Ill. Hardware Specialties.

Clark & Cowles, Plainville, Conn.
Enterprise Mfg. Co. of Pa., Philadelphia.
Alfred Field & Co., New York.
Charles Morrill, New York.
Robert Murray, New York.
Sargent & Co., New York.
Smith & Hemenway Co., New York.

Harness Dressing.

Frank Miller Co., New York, N. Y.

Harness Snaps.

Covert Mfg. Co., West Troy, N. Y. W. & E. T. Fitch Co., New Haven, W. & E. T. Fitch Co., N Conn. Sargent & Co., New York.

Hasps and Staples. McKinney Mfg. Co., Allegheny, Pa.

Hay Carrying Tools.

Janesville Hay Tool Co., Chicago, Ill. F. E. Myers & Bro., Ashland, Ohio. Hay Forks.

Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madi-son, Ia.
Janeaville Hay Tool Co., Chicago, Ill.
Willoughby Fork & Mfg. Co., Wil-loughby, O.

Hay Knives.

Iwan Bros., Streator, Ill.

Hay Slings.

Janesville Hay Tool Co., Chicago, Ill.

Heaters, Oil.

Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Hinges.

Clark Mfg. Co., Buffalo, N. Y. McKinney Mfg. Co., Allegheny, Pa. Niles Mfg. Co., Chicago. Sargent & Co., New York.

Hinges, Shutter.

Clark Mfg. Co., Buffalo, N. Y.

Hinges, Spring.

Bommer Bros., Brooklyn, N. Y. Niles Mfg. Co., Chicago. Sargent & Co., New York.

Hinges, Trunk, Box and Door. Brass Goods Mfg. Co., Brooklyn, N.Y.

Hoisting Machinery.

Burr Mfg. Co., Cleveland, Ohio. Kimball Bros. Co., Council Bluffs, Ia.

Hones, Razor.

Alfred Field & Co., New York. Smith & Hemenway Co., New York.

Berger Bros. Co., Philadelphia. John H. Graham & Co., New York. Sargent & Co., New York.

Horse and Cattle Ties.

Covert Mfg. Co., West Troy, N. Y.

Ausable Horse Nail Co., New York. Capewell Horse Nail Co., Hartford, Conn.

Horse Rasps.

G. & H. Barnett Co., Phila., Pa. Nicholson File Co., Providence, R. I.

Hose Menders.

John H. Graham & Co., New York.

Hose Pipe.

F. E. Myers & Bro., Ashland, Ohio.

Hose, Rubber.

F. E. Myers & Bro., Ashland, Ohio.

John Chatillon & Sons, New York. Pelouze Scale & Mfg. Co., Chicago.

foe Cream Freezers.

John H. Graham & Co., New York. North Bros. Mfg. Co., Philadelphia. Tower & Lyon, New York.

fce Chisels.

John Chatillon & Sons, New York. Iowa Farming Tool Co., Ft. Madison, Iowa.

Ice Creepers.

Edwin B. Stimpson & Son, New York. Tower & Lyon, New York. Union Hardware Co., Torrington,

Ice Harvesting Implements.

Wm. T. Wood & Co., Arlington, Mass.

John Chatillon & Sons, New York. Erie Specialty Co., Erie, Pa. C. E. Jennings & Co., New York Wm. T. Wood & Co., Arlington, Mass.

John Chatillon & Sons, New York. Brie Specialty Co., Brie, Pa. Smith & Hemenway Co., New York. Wm. T. Wood & Co., Arlington, Mass.

Iron, Sheet.

Bruce & Cook, New York.

Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleve-land, Ohio.

Iron Pipe.

Colwell Lead Co., New York.

Iron Work.

J. E. Bolles Iron and Wire Works, Detroit, Mich. Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleveland, Ohlo.

Jack Chains.

Smith & Egge Mfg. Co., Bridgeport,

Kitchen Specialties.

Crescent Mfg. Co., Fremont, O.

Ladders

Berger Bros. Co., Philadelphia. Lane Bros. Co., Poughkeepsie, N. Y. F. E. Myers & Bro., Ashland, Ohio.

Lamps, Bicycle.

John H. Graham & Co., New York, Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Lard Presses.

Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Fences.

W. J. Adam, Joliet, Ill. Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleveland, Ohio.

Lawn Mowers.

Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Rakes.

Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Ft. Madison,
Ia.

Lawn Sprinklers.

Smith & Hemenway Co.. New York.

Lawn Tools.

Geneva Tool Co., Geneva, O.

Bruce & Cook, New York. Colwell Lead Co., New York.

Lead Pencils.

Joseph Dixon Crucible Co., Jersey City, N. J.

Lead Pipe.

Colwell Lead Co., New York.

Lemon Squeezers.

Berger Bros. Co., Philadelphia. Erie Specialty Co., Erie, Pa. John H. Graham & Co., New York. Smith & Hemenway Co., New Yor John Sommer's Son, Newark, N. J.

Stanley Rule & Level Co., New York. Tower & Lyon, New York.

Locks and Knobs.

Brass Goods Mfg. Co., Brooklyn, N.Y. John H. Graham & Co., New York. Sargent & Co., New York and New Haven, Coan.

G. W. Cole Co., New York City.
Joseph Dixon Crucible Co., New York
and Jersey City, N. J.

Luminous Balt.

Enterprise Mfg. Co., Akron, O.

Magnolia Metal.

Magnolia Metal Co., New York.

Bruce & Cook, New York.
N. Y. Mallet & Haudle Works, New
York, N. Y.
John Sommer's Son, Newark, N. J.
Stanley Rule and Level Co., New
York.
Towar & Ivon

Manure Forks.

Geneva Tool Co., Geneva, O.

Manure Hooks.

Geneva Tooi Co., Geneva, O.

Masons' Lines.

Samson Cordage Works, Boston.

Measuring Pumps.

Enterprise Mfg. Co. of Pa., Philadelphia.

Measuring Tapes.

Alfred Field & Co., New York. John H. Graham & Co., New York. Keuffel & Esser, New York.

Meat Choppers.

John Chatilion & Sons, New York. Enterprise Mfg. Co. of Pa., Phila-delphia. John H. Graham & Co., New York. Smith & Hemenway Co., New York.

Meat Cutters.

Enterprise Mfg. Co. of Pa., Phila-delphia. John H. Graham & Co., New York. Sargent & Co., New York.

Metallic Paint.

L. D. Berger, Philadelphia. Bruce & Cook, New York.

Mills, Coffee and Spice.

John Chatillon & Sons, New York. Enterprise Mfg. Co. of Pa., Phila-delphia.

Mills, Drug.

Enterprise Mfg. Co. of Pa., Philadelphia.

Mincing Knives.

Enterprise Mfg. Co. of Pa., Phila-delphia. John H. Graham & Co., New York. Smith & Hemenway Co., New York.

Mitre Boxes.

C. E. Jennings & Co., New York. Smith & Hemenway Co., New York.

Mowing Machine Oilers.

Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

Nails.

Bruce & Cook, New York. Fuller Bros. & Co., New York. Chas. J. Stebbins & Co., New York.

Nail Pullers.

Bridgeport Mfg. Co., Bridgeport, Smith & Hemenway Co., New York. The Scranton & Co., New Haven, Tower & Lyon, New York.

Nail Sets.

John H. Graham & Co., New York. C. E. Jennings & Co., New York.

Needles.

Alfred Field & Co., New York.

Alfred Field & Co., New York. Charles Morrill, New York. Smith & Hemenway Co., New York. Utica Drop Forge & Tool Co., New York.

Atlas Bolt and Screw Co., Cleveland, Columbus Bolt Works. Columbus, O.

Office Bailings.

J. E. Bolles Iron and Wire Works, Detroit, Mich. Gilbert & Bennett Mfg. Co., New York and Chicago.

Oilers.

Cushman & Denison, New York.
Tower & Lyon, New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Oil Heaters.

Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Ornamental Iron Work.

Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleve-land, Ohio.

Padlocks.

Ames Sword Co., Chicopee, Mass. Alfred Field & Co., New York. John H. Graham & Co., New York. Smith & Egge Mfg. Co., Bridgeport, Tower & Lyon, New York.

Paints.

L. D. Berger, Philadelphia. Bruce & Cook, New York. Jos. Dixon Crucible Co., Jersey City, N. J.

Paper Clips.

Cushman & Denison, New York.

Paradigm Skylights.

Arthur E. Rendle, New York.

Patents. Davis & Davis, New York.

Pencils. Joseph Dixon Crucible Co., Jersey City, N. J.

Pig Lead. Colwell Lead Co., New York.

Pig Tin.

Colwell Lead Co., New York. Pipe Cutters.

Armstrong Mfg. Co., Bridgeport, Conn. Alfred Field & Co., New York. Trimont Mfg. Co., Roxbury, Mass.

Pipe Straps. Berger Bros. Co., Philadelpnia. Bruce & Cook, New York. Smith & Egge Mfg. Co., Bridgeport,

Pipe Threading Machines. Armstrong Mfg. Co., Bridgeport, Conn.

Pipe Vises.

Armstrong Mfg. Co., Bridgeport, Howard Iron Works, Buffalo, N. Y. Tower & Lyon, New York.

Pistols.

J. Stevens Arms & Tool Co., Chicopee Falls, Mass. Planes. C. E. Jennings & Co., New York.
Sargent & Co., New York.
Stanley Rule and Level Co., New
York.

Tower & Lyon, New York.

Plated Ware M. S. Benedict Mfg. Co., E. Syracuse, N. Y. Luther Boardman & Son, East Had-dam, Conn. Aifred Field & Co., New York.

Plates, Machinery.

Schwerdtle Stamp Co., Bridgeport, Conn.

Pliers, Fencing.

Cronk & Carrier Mfg. Co., Elmira, N.Y. Alfred Field & Co., New York. Smith & Hemenway Co., New York. Utica Drop Forge & Tool Co., New York.

Plumbers' Supplies.

L. D. Berger, Philadelphia, Pa. Berger Bros. Co., Philadelphia, Pa. Bruce & Cook, New York. Colwell Lead Co., New York. Smith & Egge Mfg. Co., Bridgeport, Conn.

Pocket Cutlery.

John Chatillon & Sons, New York. Alfred Field & Co., New York. Jackson Knife & Shear Co., Fremont, O.

Police Equipments.

Tower & Lyon. New York.



Polish, Stove.

Joseph Dixon Crucible Co., Jersey City, N. J.

Post Hole Augers.

Iwan Bros., Streator, Ill.

Post Hole Diggers.

John H. Graham & Co., New York. Iwan Bros., Streator, fil.

Potato Hooks.

Geneva Tool Co., Geneva, O.

Poultry Netting.

Clinton Wire Cloth Co., Clinton, Mass.
Gilbert & Bennett Mfg. Co., New York, Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Fran-cisco.

Power Hammers.

The Scranton & Co., New Haven, Conn.

Price Books

Hardware Publishing Co., New York,

Pruning Shears.

Cronk & Carrier Mfg. Co., Elmira, N. Y. Smith & Hemenway Co., New York.

Pulleys, Hoisting.

Burr Mfg. Co., Cleveland, Ohio. F. E. Myers & Bro., Ashland, Ohio.

Pulleys, Hook.

Janesville Hay Tool Co., Chicago, Ili.

Pumps.

John H. Graham & Co., New York. F. E. Myers & Bro., Ashland, Ohlo. The Deming Co., Salem, Ohlo. Torrent Pump & Fence Co., Cleveland, O.

Punches, Spring.
Alfred Field & Co., New York.
Charles Morrill, New York.
Smith & Egge Mfg. Co., Bridgeport, Boston, Mass.

Bailings, Wire and Iron.

J. E. Bolles Iron and Wire Works, Detroit, Mich. Clinton Wire Cloth Co., Clinton, Clinton Mass.

Railroad Brasses.

Magnolia Metal Co., New York.

Bail, Barn Door.

Cronk & Carrier Mfg. Co., Elmira, N. Y. Lane Bros. Co., Poughkeepsie, N. Y. McKinney Mfg. Co., Allegheny, Ps.

Railway and Mill Supplies.

American Railway Supply Co., New York. .. Woodman Mfg. & Supply Co., Boston.

Raisin Seeders.

Enterprise Mfg. Co. of Pa., Philadelphia.

Rakes.

Geneva Tool Co., Geneva, O.
John H. Graham & Co., New York.
Iowa Farming Tool Co., Fort Madison, Is.

Alfred Field & Co., New York.
International Cutlery Co., Fremont, O.
Jackson Knife & Shear Co.,
Fremont, O.
Joseph Rodgers & Sons, New York
and Sheffield, England.
Smith & Hemenway Co., New York.

Razor Strops.

Smith & Hemenway Co., New York.

C. E. Jennings & Co., New York.

Reels, Fishing.

Enterprise Mfg. Co., Akron, O.

Beels, Wood.

John Sommer's Son, Newark, N. J.

Registers, Warm Air.

Berger Bros. Co., Philadelphis.

Revolution Counter.

Tabor Revolution Counter, Elizabeth, N. J. R. Woodman Mfg. & Supply Co., Bos-ton, Mass.

Revolving Horse Hay Rakes. Geneva Tool Co., Geneva, O.

Hamilton Rifle Co., Plymouth, Mich. J. Stevens Arms & Tool Co., Chicopes Falls, Mass.

Rivets.

Atlas Bolt and Screw Co., Cleveland, Ohio. Ohio.
Berger Bros. Co., Philadelphia.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.
C. C. & E. P. Townsend, New Brighton, Pa.

Roller Skates.

M. C. Henley, Richmond, Ind. Tower & Lyon, New York. Union Hardware Co., Torrington, Conn., and New York.

Boof Bolts.

Columbus Bolt Works, Columbus, O.

Boof Rods.

Columbus Bolt Works, Columbus, O.

Roofing Cement.

J. L. Perkins & Co., Chicago, Ill.

Boofing, Granite

Eastern Granite Roofing Co., New York.

Roofing Paint.

J. L. Perkins & Co., Chicago, Ill.

Roofing Plates.

Merchant & Co., Inc., Philadelphia, Pa.

Roofing and Roofers' Supplies.

American Steel Roofing Co., Middle-town, Ohio. L. D. Berger, Philadelphia. Berger Bros. Co., Philadelphia. Bruce & Cook, New York. Merchant & Co., Inc., Philadelphia, Pa.

Rubber Pump Buckets.

Torrent Pump & Fence Co., Cleve-land, O.

Rules.

Alfred Field & Co., New York. Stanley Rule and Level Co., New York.

Enterprise Mfg. Co. of Pa., Phila-delphia.

Sand and Emery Paper.

Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens. Gilbert & Bennett Mfg. Co., New York and Chicago.

Sash Chains.

Smith & Egge Mfg. Co., Bridgeport, Tower & Lyon, New York.

Sash Cord.

Samson Cordage Works, Boston. Tower & Lyon, New York.

sh Fixtures.

Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Locks.

Champion Safety Lock Co., Cleve-land, Ohio. W. & E. T. Fitch Co., New Haven, H. B. Ives & Co., New Haven, Conn.

Sash Pulleys

Fox Machine Co., Grand Rapids, Mich. Sargent & Co., New York.

Sash Weights (Lead).

Colwell Lead Co., New York.

Sausage Stuffers.

Enterprise Mfg. Co. of Pa., Phila-delphia. Sargent & Co., New York.

E. C. Atkins & Co., Indianapolis, Ind. Henry Disston & Sons, Philadelphia, Pa.
C. E. Jennings & Co., New York.
Sargent & Co., New York.

Saws, Butchers'.

John Chatillon & Sons, New York.

Saw Sets.

E. C. Atkins & Co., Indianapolis, Ind. Alfred Field & Co., New York. Charles Morrill, New York. Smith & Hemenway Co., New York.

Saw Tools.

E. C. Atkins & Co., Indianapolis, Ind. C. E. Jennings & Co., New York. Smith & Hemenway Co., New York.

Scales

John Chatillon & Sons, New York. Osgood Scale Co., Binghamton, N. Y. Pelouze Scale & Mfg. Co., Chicago.

Screen Doors.

A. J. Phillips Co., Fenton, Mich.

Screens, Wire.

Porter Screen Mfg. Co., Burlington, Vt.

Atlas Bolt & Screw Co., Cleveland, Ohio.

Screw Cases

J. D. Warren Mfg. Co., Chicago, Ill.

Screw Drivers.

Bridgeport Mfg. Co., Bridgeport, Conn.
John H. Graham & Co., New York.
C. E. Jennings & Co., New York.
North Bros. Mfg. Co., Philadelphia.
Sargent & Co., New York.
Smith & Hemenway Co., New York.
Stanley Rule & Level Co., New York.
Tower & Lyon, New York.
Voigt, Starr & Co., New York.

Screw Plates

Alfred Field & Co., New York.

Scythes and Grass Hooks. Alfred Field & Co., New York.

Geneva Tool Co., Geneva, O.

Scythe Snaths, Grass and Bush.

Scythe Stones.

Cleveland Stone Co., Cleveland, O. Geneva Tool Co., Geneva, O.

Seal Presses

Charles Morrill, New York. Seals.

Schwerdtle Stamp Co., Bridgeport, Conn.

Sectional Shelving.

J. D. Warren Mfg. Co., Chicago.

Shade Lines

Samson Cordage Works, Boston.

Sharpening Machines John Chatillon & Sons. New York.

Shears and Scissors.

Bridgeport Mfg. Co., Bridgeport, Conn. Conn.
Creecent Mfg. Co., Fremont, O.
Alfred Field & Co., New York.
R. Heinisch's Sons Co., Newark, N. J.
International Cullery Co., Fremont, O.
Jackson Knife and Shear Co.,
Fremont, O.
Joseph Rodgers & Sons, New York.

Sheet Lead.

Colwell Lead Co., New York.

Sheet Steel.

Dunbar Bros., Bristol, Conn.

Shelf Brackets

Atlas Mfg. Co., New Haven, Conn. Sargent & Co., New York.

Shelving, Hardware.

J. D. Warren Mfg. Co., Chicago, Ill.

Shot. Colwell Lead Co., New York.

Shot Guns. J. Stevens Arms & Tool Co., Chicopee Falls, Mass.

S'iow Cases.

J. D. Warren Mfg. Co., Chicago, Ill.

Sidewalk Chisels.

Geneva Tool Co., Geneva, O.

Sidewalk Cleaners.

Geneva Tool Co., Geneva, O.

Sidewalk Lights.

J. E. Bolles Iron and Wire Works, Detroit, Mich.

Sidewalk Scrapers.

Geneva Tool Co., Geneva, O.

Sidewalk Shovels.

Geneva Tool Co., Geneva, O.

Silver Ware.

M. S. Benedict Mfg. Co., E. Syracuse, N. Y. Luther Boardman & Son, East Had-dam, Conn.

Atlas Bolt & Screw Co., Cleveland, Ohio.

Sink Cleaners. John W. Sudlow, Brooklyn, N. Y.

Skates, Ice and Roller. John H. Graham & Co., New York. Tower & Lyon, New York. Union Hardware Co., Torrington,

Skates, Tube.

Crosby Co., Buffalo, N. Y.

Skate Sharpeners.

Smith & Hemenway Co., New York. Tower & Lyon, New York. Union Hardware Co., Torrington, Conn.

Skewers

John Chatillon & Sons, New York.

Slaw Cutters. E. C. Atkins & Co., Indianapolis, Ind. Enterprise Mfg. Co. of Pa., Philadelphia. C. E. Jennings & Co., New York.

Sledges. Columbus Anvil & Forging Co., Columbus, O.

Snow Shovels. Iowa Farming Tool Co., Fort Madi-

son, Iowa. A. J. Phillips Co., Fenton, Mich. Solder. Berger Bros. Co., Philadelphia. Bruce & Cook, New York. Colwell Lead Co., New York.

Spading Forks. Geneva Tool Co., Geneva, O.

Spark Guards.

Gilbert & Bennett Mfg. Co., New York and Chicago.

Speaking Tubes. Berger Bros. Co., Philadelphia.

Spelter.

Bruce & Cook, New York, Colwell Lead Co., New York. Spikes.

Fuller Bros. & Co., New York.

Spiral Screw Drivers. North Bros. Mfg. Co., Phila., Ps. Voigt, Starr & Co., New York.

Spoke Shaves. Alfred Field & Co., New York. Stanley Rule & Level Co., New York

Sporting Goods. Enterprise Mfg. Co., Akron, O.

Springs, Wire. John Chatillon & Sons, New York. Clark & Cowles, Plainville, Conn. Dunbar Bros., Bristol, Conn. Tuck Mfg. Co., Brockton, Mass.

Spring Balances John Chatillon & Sons. New York.

Spring Hinges. Bommer Bros., Brooklyn, N. Y. Niles Mfg. Co., Chicago. Sargent & Co., New York.

Squares, Steel. Sargent & Co., New York.

Stamping. Clark & Cowles, Plamville, Conn.

Stamps, Steel.

Schwerdtle Stamp Co., Bridgeport, Conn.

Standorette.

D. H. Allen & Co., Miamisburg, O.

Staple Pullers.

Cronk & Carrier Mfg. Co., Elmira, N. I. Smith & Hemenway Co., New York.

Stay Rollers.

Oronk & Carrier Mfg. Co., Elmira, N. Y. JohnH. Graham & Co., New York. Lane Bros. Co., Poughkeepsie, N. Y. McKinney Mfg. Co., Allegheny, Pa.

Steamfitters' Supplies. Colwell Lead Co., New York.

Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

Steel Hinges, Spring. Bommer Bros., Brooklyn, N. Y.

Steel Mats.

Keystone Steel Matting Co., Pitts-burgh, Pa.

Steel Roofing.

American Steel Roofing Co., Middle-town, O.

Steel Track Janesville Hay Tool Co., Chicago, Ill. Steel Traps.

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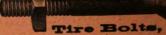


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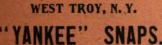
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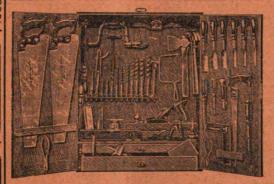


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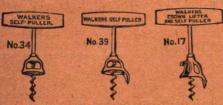


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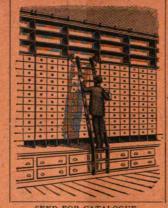
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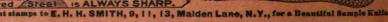
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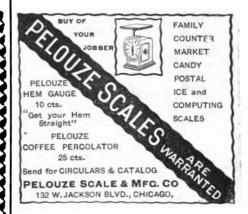
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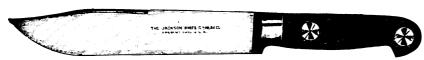
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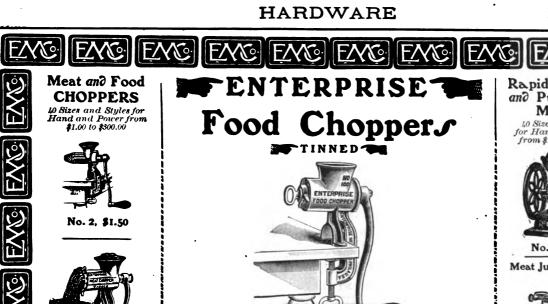
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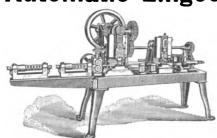
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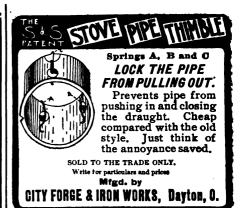
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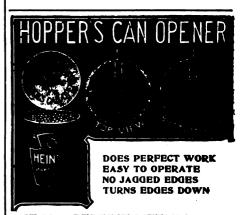




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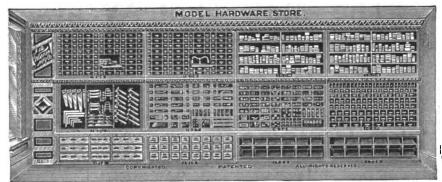


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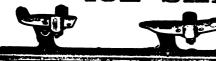
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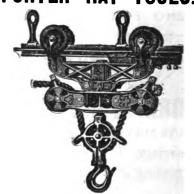
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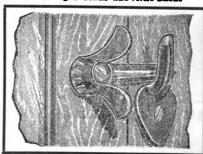
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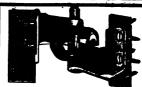


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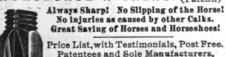
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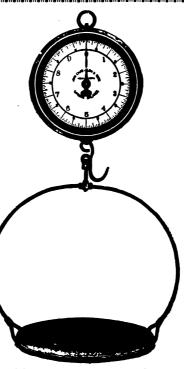
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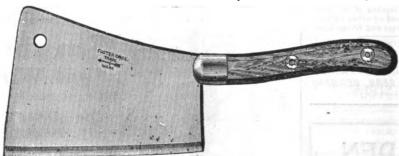


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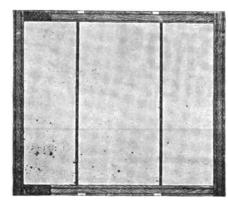
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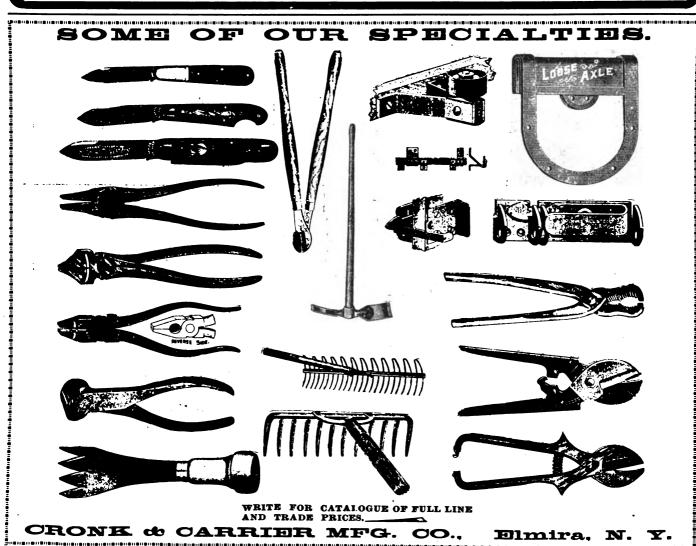
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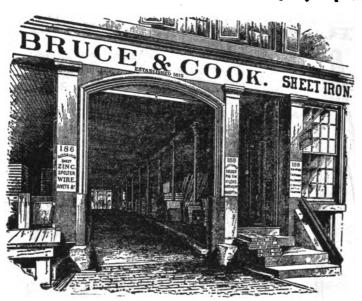
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186, 186 and 190 WATER STREET, 248 and 250 PEARL STREET, . . .

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to rechipe your orders, which shall have our very best attention and prompt shipment. . .



Antimony.
Babbit Metal.
Boller Rods.
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Copper Bottoms.
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Copper Ingot.
Copper Mire.
Copper Wire.
Corrugated Leader.
Cor. Bibows and Saces.
Dampers.
Bave Trough Leaded.
Bave Trough Galvan'd.
Bave Trough Irons.
Elibows—Stove Pipe.
Bibows—Stove Pipe.
Bibows—Stove Pipe.
Bibows—Stove Pipe.
Bibows—Adjustable.

Pire Pots.

Gem Gasoline Furn Gutter, Wide Roof. Hard Metal. Kettle Ears. Lead-Bar and Pig. Leader Hooks Malleable Ears. Mallets. Metallic Paint. Nails--Rooding Tinned. Nails-Wire Roofing. Nails-WireR'g Tinne Pail Woods. Perforated Tim. Ribbed Leader. Rivets Roofing Tim Plates.

Rocting Seamers. Roein. Sheathing Paper. Sheet Iron-Char. Cl'd. Sheet Iron-Cold Rol'd. Sheet, Iron--Com. Cl'd. Sheet Iron--Corrugated et Iron--Galvanised Sheet Iron-Planished Sheet Iron-Russia. Soldering Coppers. Spelter. Spelter Solder. Squaring Shears. Stove Pipe. Stove Pipe Collars. Strainer Wire Clash

Taggers Irea.
Taggers Tin.
Terne Piates.
Tin-Bar and Pig.
Tin Piates.
Tin Shingles.
Tinsers' Machines
Tinners' Machines
Tinners' Tools.
Ventilators—Globe
Wall Hooks.
Water Cut-offs.
Wire—Annealed.
Wire—Bright.
Wire—Gaivanised.
Wire Tinned.
Zinc for Etching.
Zinc Sheets.



which prevents the flame from burning too high.

For Bed Room, Smoking Room, Bath Room, Library, Nursery, Office, Conservatory, Camp or Cottage.

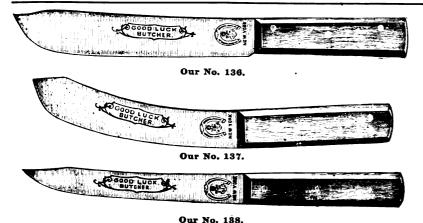
THE PLUME & ATWOOD MFG. CO., NEW YORK, CHICAGO.



<u>An</u> →∻ — Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.



LAMB, LAMB, LAMB,

no matter how tough, can be sliced by the knives illustrated in the **GREEN BOOK** of Hardware Specialties.

For further information write to

SMITH & HEMENWAY CO.,

UTICA DROP FORGE & TOOL CO.,

THOMSON BROS. & CO.

296 Broadway, New York City.

Ask your dealer for these goods.

MORRILL'S Perfect Saw Sets,

Bench Stops, Punches, Cutting Pliers and Seal Presses.



Registered, Pat. No. 20,572.

This Trade Mark is stamped on all Hardware Specialties of my make.



 \oplus

Registered, Pat. Re. 80,572.
This Trade Mark is stamped on all Hardware Specialties of:

my make.

For Hand, Band and Jig Saws, from the widest made down to 1-2 inch. The Sets are too well known for me to enlarge on them.

Write for Catalogue.

₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹₹

CHAS. MORRILL,

Broadway Chambers, Broadway and Chambers St., N. Y.

The Model Stove Truck is out of sight when under a stove.



Is all steel, has only one adjustment, is practically indestructible.

We offer to take back and refund money if, after a month's trial, the Model is not satisfactory.

SEND FOR CIRCULAR AND PRICE.

The S. M. HOWES COMPANY,

THE "BARDSLEY" OIL DOOR CHECK AND SPRING.



This device—as now made—has the following features which are peculiar to itself:

No packing friction.

A releasing device—especially useful on apartment house doors and doors that close against a draught.

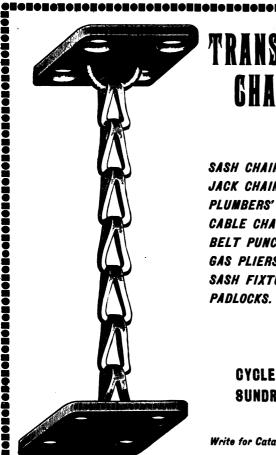
Spring of polished clock steel of superior quality—ensuring soft and noiseless action and great durability.

The mechanism is arranged so that the spring cannot be used wrong side up and thus bent out of shape or broken.

The checking medium is an oil which is practically non-freezing, and which can readily be renewed when needed without removing the check from the door.

JOSEPH BARDSLEY,

147 to 151 Baxter Street, NEW YORK.



SASH CHAINS. JACK CHAINS. PLUMBERS' CHAIN. CABLE CHAINS. BELT PUNCHES. GAS PLIERS. SASH FIXTURES. PADLOCKS.

> CYCLE SUNDRIES.

Write for Catalogue to

THE SMITH & EQGE MFQ. CO.,

BRIDGEFORT, CONN.

THIS CAN - - -

Clock Spring Steel Bottom

Of extreme durability and springiness. The CYLINDER is of DOUBLE THICKNESS around the lower edge, and is drawn seamless from extra heavy "Swedoh" Steel, Boautifully Finished It readily commends itself to all AGRICULTURAL and HARD-

WARE DEALERS on account of its Elegance, Durability and Cheapness.

Special price on large orders from the Jobbing Trade.

ORDER NOW FOR **SPRING DELIVERY.**

"COPPERIZED"

SPRINGBOTTOM

MOWING MACHINE

OILER Nº 600

the Wilmot & Hobbs Mfg. Co., -BRIDGEPORT,

JGHT YOUR S

IMPERIAL **SYSTEM**



GOOO PROFIT TO DEALERS.

Our System has been thoroughly tested by years of experiment and has proven a success. . . .

Uses common Gasoline. Gives, 1200 candle power light at a cost of ½ cent per hour.

All lamps guaranteed if used according to instructions.



IMPERIAL GAS LAMP CO., 130 Lake St., CHIEAGO, ILL.



They are the 'oodman<mark>'</mark>s FAVORITE.

TRADE WINNERS,



E. C. ATKINS & CO., Inc.

BRANCH HOUSES: New York City, 64 Reade Street. Memphis, Tenn. Atlanta, Ga. Atlanta, Ga. Minneapolis, Minn. Portland, Oregon.

Indianapolis, Ind.

HARDWARE

At a recent meeting of the board of governors of the Hardware Club, of New York, the following gentlemen were unanimously elected to membership therein:

Alfred F. Conklin, 66 Reade Street, New York. William A. Lewis, 82 Chambers Street, New York. Benjamin S. Alder, 37 Warren Street, New York. Lewis E. Pierson, Chambers and West Broadway, New York.

C. E. Jennings & Co., 101 Reade Street, New York, have recently published a special catalogue of Tool Chests and Cabinets, which should be in the hands of such dealers as are giving the Holiday trade and its requirements close attention. It will suggest a line of goods for an active stock that commands attention on account of its utility especially at this time.

The largest mercantile corporation on the Pacific coast, which it is reported will be formed at the beginning of the new year, when the George W. Gibbs Co. and Miller, Sloss & Scott, of San Francisco, Cal., will unite. The corporation will have a capital stock of \$10,000,000. The Gibbs Co. deals in iron and steel and Miller, Sloss & Scott, in general Hardware. Each department will be conducted separately, but under one general management. The company does business as far East as New Mexico and as far North as Alaska, while it has a growing trade in Hawaii and the Philippines. Branches will be established in Los Angeles and Seattle.

The National Vise and Tool Works, Camden, N. J., have just shipped to Honolulu, Sandwich Islands, a large number of Snediker Blacksmith Leg Vises and XL Vises; they have recently exported the same line of goods to London, England, Glasgow, Scotland, and to various points in India.

The Star Enamelling and Stamping Co., which went into the hands of receivers in September, has been reorganized by C. E. Christman, and associates, who purchased all the assets, except book accounts, from the Pennsylvania Trust Co., receivers for the former company, and have secured a charter under the laws of New Jersey with a capital stock of \$100,000. A directors' meeting was held at the offices of the company in Allegheny, Nov. 27, when the following officers were elected: C. E. Christman, president and general manager; J. Roth, vice-president; A. F. Loeb, treasurer; George W. Rowbottom, Jr., secretary. The new company is arranging to largely increase the facilities for the manufacture of their products. The factory was put in operation Nov. 18th, and they report that the demand for their goods is so very large that they are now running their factory day and night. There is no truth in the report that the new owners contemplate removing the factory to McKeesport.

Enterprise Brush Co., 46 West Broadway, New York, have moved their factory plant from Glen Gardner, N. J., to 536-540 West Fourteenth Street, New York. This company are well known as manufacturers of an exceedingly complete line of Brushes specially made for household use, they also make a general line of Brushes, including those for painters. The sample room at 46 West Broadway, near Park Place, will be continued for the accommodation of the trade.

We notice that articles of incorporation have been filed at Springfield, Ill., by the Search Light Mfg. Co., with a capital stock of \$40,000, with offices at 175 East Division Street, Chicago, Ill. This firm, formerly a co-partnership, has been successfully engaged in manufacturing Search Light Vapor Lamps and other trade specialties for nearly three years. They started in a very modest way, but have expanded four times, trebling or quadrupling their space at each expansion. Their success is largely due to the manner in which they have stood behind their goods, guaranteeing them absolutely even in cases where the fault could plainly be traced to carelessness or misuse on the part of the user of the lamp; and to the superior construction of their burner. An illustrated catalogue and price list which they publish will be mailed to the trade upon application.

The officers of the new firm will be Howard E. Clark, president; Paul Clendening, vice-president; Ernest C. Gridley, secretary, and William A. Burch, treasurer. As we understand the new firm intend to carry out the policy which has been so successful thus far, we confidently bespeak for them continued success and growing appreciation by the trade.

The widespread popularity of the Warren System of Hardware Shelving is shown by the following recent purchases of it for large outfits: Zion Co-Operative Mercantile Institution, Salt Lake City, Utah; Fairfax Bros., Bristol, Tenn.; C. Newman, Hampton, Neb.; Geo. S. Orcutt, Ashland, Me.; E. G. Kerth & Co., Anna, Ill.; Levy Bros., San Mateo, Cal.; J. D. Barry Hardware Co., Clarksville, Tex.; E. B. Messer & Sons, Hartley, Ia.; Mayer, Gulde & Welp, Bancroft, Ia.; Peschke & Prakel, Versailles, O.

Metric System now in Use in Twenty Countries.

It is stated by United States Consul Haynes, of Rouen, France, that the metric system is to-day compulsory in twenty countries, representing more than 300,000,000 inhabitants: Germany, Austria-Hungary, Belgium, Spain, France, Greece, Italy, Netherlands, Portugal, Roumania, Servia, Norway, Sweden, Switzerland, Argentine Republic, Brazil, Chile, Mexico, Peru and Venezuela. Although the United States has not yet adopted the metric system in its domestic transactions American manufacturers are almost universally prepared to furnish quotations to foreign buyers in metric terms and to conduct their correspondence accordingly.

The Marshall-Wells Hardware Co.

To mark its occupancy of the finest building which any wholesale Hardware company in this country can claim as its home, the Marshall-Wells Hardware Co., of Duluth, Minn., has issued a souvenir entitled, "Where Rails and Water Meet." It is a handsome specimen of the printer's, photographer's and lithographer's arts, in fact it might well serve as a specimen of the highest that has been attained in those lines. Views of the building and various features of its interior form a considerable part of the work. Especially striking to wholesale men will be the views that show the railroad facilities through the center of the building, and the water front at the rear with vessels discharging freight directly into the building. The significance of the title is easily seen.

Another interesting feature is the map in the center showing the territory covered by this company. It extends through Wisconsin and Michigan on the east up into Canada and westward to the Pacific coast, and is a fine representation of the position of Duluth as a distributing point.

HARDWARE

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DECEMBER 10, 1901.

NO. .5

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.

HARDWARE is published on the 10th and 25th of each month. The subscription is \$1.00 a year, payable in advance.

Subscriptions may commence with any issue.

Remittances should always be made in the safest manner available to the remitter. Post-office and Express Money Orders are always safe and may be sent at our own risk.

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Fereign Subscriptions.—For each copy to be mailed outside the United States, the Canadas, and Mexico, the price is \$1.50 a year, postage prepaid.

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The Name of your Post-office and of the State you live in should always follow your own name when writing to this office. We cannot find your name on our books unless this is done.

Letters should be addressed

HARDWARE PUBLISHING CO.,

275 Broadway, New York.

L. E. MITCHELL, - - President.

A. P. MITCHELL, - - Secretary and Treasurer.

HENRY HOPKINS, - - Editor.

A. E. BOLLES, - - Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted Exclusively to the Hardware Trade.

Editorial Trade Review.

A very satisfactory trade is being done by the jobbers, as the retailers are buying freely such Winter supplies not already in stock as form the bulk of the sales at this time of the year. The goods called for include those which have been in scant supply for some time, but are now coming forward a little more freely. The demand continues excellent for an attractive assortment of novelties for the high-grade holiday trade anticipated on every hand, and the indications are substantial that a great deal of money will be disbursed by those profiting from the prosperous conditions surrounding the continuous employment which has been a noted feature of 1901.

Wholesale merchants are already making preparations for the annual stock-taking which is customary during the current month for those houses which close their year's business on January first. This, with the filling of orders for current supplies, will provide employment enough for all concerned. The general expectation is that the profits of the year will be found equal to anticipations, and prove sufficiently attractive to wish for a continuance during 1902.

Speculations regarding the future trend of business, especially the Spring trade now rapidly approaching, form subjects for contemplation at this season: The possible demand to be supplied, the prevailing prices and as to their continuance; the possibility of deliveries being prompt, and the multifarious things that agitate the mind

of the buyer whose orders for the future must be placed now or never.

The business done in November was unusually good for that month, although hardly up to the big figures for October. The general demand for the regular line of goods is, of course, of the greatest importance, as by such sales the inference is made that such stock is kept moving and must be renewed in due season. The excellent weather everywhere prevailing has had a great deal to do with the steady demand, which is referred to with confidence as an indication of an active Spring trade.

Builders' Hardware is in especial request, and a volume of goods is being ordered for the future that will give the greatest encouragement to the makers of this characteristic line of advanced supplies. Building has been actively carried forward with energy and perseverance, the open season greatly assisting the laudable endeavorsof the builders.

Snow and ice in the Eastern States have put in an early appearance, and the atmospheric conditions remind one of the old-fashioned Winters we read about. Skating is good quite early in the season, the ponds being frozen over and the hearts of the skaters filled with joy. Collections are reported as being good.

Exportations of Manufactures.

Exportation of manufactures from the United States continues to show a healthy growth in nearly all important articles except copper and iron and steel. The export figuresjust made public by the Treasury Bureau of Statistics show that in the ten months ending with October, exports of copper have fallen about \$23,000,000, and of iron and steel about \$23,000,000, making a total reduction in these two classes of \$46,445,685. The total reduction in exports of manufactures of all kinds during the same time is only \$44,162,856. thus showing an increase in the exportation of manufactures as a whole, exclusive of these two articles, copper and iron and steel. The value of copper exports in the ten months ending with October is 45½ per cent. below that for the corresponding months of the preceding year, and the value of iron and steel exports is 21½ per cent. below that for the corresponding months of last year. In the other manufactures, taking the entire group except copper and iron and steel, there is, as already indicated, an actual increase. In the case of iron and steel the reduction is partly due to reduced prices per unit of quantity, in part to a reduced demand abroad, and in part to forced sales at low rates in certain foreign countries. Incopper the reduction is not due to reduced prices, the average value per pound of the copper exports of the ten months of this year being the same as that of the corresponding months of last year, viz., 16.3 per cent. per pound. The reduction in copper, therefore, is in quantity, the exportation of ingots, bars and plates falling from 300,160,141 pounds in the ten months of 1900, to 162,728,397 pounds in the corresponding months of 1901. This falling off in the case of copper is due in part to a reduced demand in the European countries which were the chief foreign market for American copper, and in part to an increased production in other countries and reduction of prices by foreign producers. The only other important article showing a material reduction is mineral oil, which is about three million dollars less than in the corresponding months of last year; but this decrease is solely due to reduced prices, the number of gallons exported in the ten months ending with October being 60,289,023 greater than that for the corresponding months of the preceding year.

The following table shows the principal manufacturers whose exports during the ten months ending with October,



1901, show an increase as compared with the corresponding period of 1900:

•	Ten months endin	g with Oct.,
	1900.	1901.
Articles.	Dollars.	Dollars.
Leather mfs, except boots and shoes	18,590,344	19,010,816
Cotton cloths		16,668,258
Agricultural implements		15,812,044
Chemicals, drugs, etc.		12,006,510
Carriages and cars		6,995,676
Paper and mfrs of		6.146.397
Scientific instruments		5,582,445
Boots and shoes		5,105,116
		3,974,209
Fiber mfrs		2,953,366
Books, maps, etc		2.846.317
Musical instruments		2,705,767
India rubber mfrs		2.547.874
Spirits, distilled		1.968.649
Clocks and watches		1.753.974
Glass and glassware		
Paints and colors		1,728,498
Gunpowder and other explosives		1,599,130
Marble and stone mfrs		1,344,833
Wool mfrs		1,271,824
Cement		588,999
Tin mfrs	873,430	416,404
Plated ware		413,954
Straw mfrs		364,613
Type and other lead mfrs	299,550	337,485
Perfumery	294,470	315,048
Art works	227,289	300,416
Brooms and brushes	199,278	232,832
Silk mfrs	214,481	236,924
Ink	223,845	234,870
Tovs	190,503	228,670
Candles		220,724
Oil cloth		146,566

The following table shows the principal manufacturers whose exports from the United States during the ten months ending with October, show a decrease as compared with the corresponding period of 1900:

	Ten	months	ending with Oct.,
	,	1900.	1901.
Iron and steel mfrs	100	492 127	85.912.136
Minaral all made a		7 070 607	
Mineral oil, refined	2	,010,031	
Copper mfrs		1,041,957	
Wood mfrs		9,760,102	
Paraffin		3.820.981	5,855,837
Cotton mfrs, except cloths		5.311.777	
Tobacco mfrs		1.739.389	
Bicycles		2,746,171	
Glucose		3,050,284	
Brass and mfrs	1	1,776,008	1.769.784
Soap		1,421,438	
Starch		1,924,389	
		1,845,421	
Malt liquors			
Jewelry, etc]	1,050,758	
Lamps, etc		844,486	782,648
Confectionery and ref. sugar		1.022.993	729.212
Blacking		664,720	
Varnish	• •	529,520	497,091

How Publicity Aids Invention.

American manufacturers and mechanics have remarkable facilities and opportunities for ascertaining the improvements and inventions in their own particular line as well as in other lines which comprise special manufacturing manipulations and which directly or indirectly conduce to successful competition, says Modern Machinery. Any manufacturer can ascertain what his competitors are doing, not only by the sale of products, but also by the general publicity given by critical report and the showings of the industrial press. For instance, a manufacturer brings out a machine tool having ingenious mechanism to give certain results, advantageous both in operation and economy of time. This sets another manufacturer to thinking and he sets to work to surpass what has already been done. Therefore, there are two factors in industrial progress, namely, one in the willingness of manufacturers to lay open their inventions and methods to the public, and another in the readiness of the industrial press to illustrate and describe minutely all the peculiarities and details of these improvements.

Tax on Bicycles in France.

Over a million dollars collected on 739,335 wheels last year. The American consul at Lyons, France, informs the State Department in a letter just received here that the minister of finances of France has just published the statistics for 1900 of the number of bicycles in use in France and the amount realized from the tax on them.

The total number in the eighty-six departments at the close of the year 1900 was 739,335. The total tax on these wheels for the year was \$1,094,995. The total number of bicycles in use and registered during the last seven years is given as follows: 1894, 203,026; 1895, 256,084; 1896, 329,816; 1897, 408,869; 1898, 483,414; 1899, 838,856; 1900, 987,130.

Death of Henry Howard Beach.

Henry Howard Beach, who for 25 years and over has ably represented the interests of John H. Graham & Co., died at his home in Newark, N. J., Sunday, December 1st, of a complication of diseases from which he had long been a sufferer, originating from a severe strain he had several years ago.

His earliest occupation was in a broker's office in Wall



BENRY HOWARD BEACH.

Street, but his mind was too active to be satisfied with a field so limited. Selecting the Hardware business for his life vocation, he entered the employ of the Russell & Erwin Mfg. Co., starting in as stock clerk and finally reaching the entry desk.

In 1874 he connected himself with the Hardware jobbing and commission house of J. Clark Wilson, 81 Beekman Street, but as they retired from business a year later, he joined, as entry clerk, the forces of the house he was with at the period of his demise. The house was then known as Graham & Haines, and located at 88 Chambers Street. Two years later, in 1877, he was made salesman, becoming a traveling representative, a position held by him from that time. Mr. Beach was highly esteemed by those associated with him in business, who found him invariably conscientious, energetic and faithful to every trust reposed in him. The intercourse with the trade he had established in the interests of his house was marked by an honest adherence to principle, a faithful conservation of the rights of the customer and fidelity to the interests of his house.

His domesticity in home affairs was a prominent characteristic, always extending a helping hand, making ample provision for every want, and receiving that reverent esteem from those dependent upon his exertions which his sympathetic nature so fully deserved.

He leaves a widow and three daughters, two of whom are adults, the youngest being about ten years old.

The funeral services were held from his late residence, Wednesday, December 4.

KNAPP & SPENCER Co., Sioux City, Iowa, have recently issued their annual Want Book, designed to be hung beside the desk of the party who receives it, and to be filled with daily wants as their stock becomes depleted. There is no effort made to make this apply to any specified dates. It is gotten up with the suggestion at the top of each page in regard to goods or store methods, the intention being that every page in the Want Book shall be filled in the course of the year. It will undoubtedly be found very useful to the party receiving it.

LEGAL CORRESPONDENCE.

Conducted by William Marston Seabury, Attorney and Counsellor at Law, No. 43 Cedar Street, New York.

Any subscriber to "HARDWARE" is privileged to ask any legal question he pleases in this Department and it will be answered free of charge. Address all communications to Editor "HARDWARE," No. '277 Broadway, New York City.

Payment of Legacies.

QUESTION: My father died March 2d, this year, and the will was admitted to probate April 17th, father appointing me his executor in conjunction with a certain trust company. I understand from the company, I receive no money until the year is up. I have been sick for the past month and unable to make a living. Will you kindly state how I can get any money to support my family through this Winter?

REPLY: It is not quite clear from your question whether you refer to the time that you will be able to receive your commissions as one of the executors of your father's estate, or whether you refer to a legacy to be received by you under the will. The settlement of an estate generally takes a year or more, and the payment of legacies cannot be enforced earlier than a year from the date of the granting of the letters testamentary. The reason of this, however, is to allow ample time for advertising for the creditors of the deceased, as the debts must be paid before the legacies. If you are unable to convince the trust company which acts as your co-executor, that the deceased has no debts or that the assets of the estate exceed the liabilities, the trust company might be willing to consent to the payment of your legacy without waiting for one year to expire.

Liability of Assignee of Lease to Landlord.

QUESTION: Some time ago I rented part of my store to a man whose credit I investigated and found to be very good. His lease still has four years to run, and there is a provision in the lease that he shall not assign or sub-let without the written consent of the landlord. He has since come to me and stated that he desires to assign his lease to another man, whose credit, he says, is as good as his. I should like to be informed whether by consenting to the assignment of his lease my original lessee would be discharged from any liability on his lease to me.

REPLY: We are of the opinion that in this State, when a lease provides that the lessee shall not have the right to assign except with the written consent of the landlord, if the landlord consents in writing, the lessee would have the right to assign his lease; but would not thereby be discharged from his liability to the landlord. If, however, you can obtain an agreement from your lessee that by your consent you do not waive your right to proceed against him for the unexpired term, we see no objection to your accepting his proposition.

Liabilities of Directors for Failing to File Annual Report.

QUESTION.—I have been a director of a corporation which has failed to file its annual report. A creditor of the company to a large amount threatens to sue me individually and not the other directors, for the full amount, simply because I am good for the sum and the others are not as accessible as I am. Kindly inform me whether the whole amount of the creditor's claim could be collected from me, and if so, whether I have any redress against my co-directors.

Reply.—Under the corporation law each director is individually liable for the failure to file the annual report and upon the facts before us, provided the debt of the creditor accrued during the time in which you were director and the default as to the annual report occurred during this same period, the creditor could collect the full amount of his claim from you. As to your redress against your co-directors in the event of your paying the full amount of the claim, we would say that Chapter 354 of the Laws of 1899 provides that any director who shall pay any debt of the corporation shall be subrogated to all rights of the creditors in respect thereto against the corporate property (but not against the stockholders of the corporation), and shall also be entitled to contribution similarly liable for the same debt and the personal

representative of any such director or officer who shall have died before making such contribution. This provision of the Laws of 1899 is an amendment to the Corporation Law, and was passed for the purpose of allowing directors situated as you seem to be to collect the proportionate part of each director upon his paying the claim of the creditors in full. The provision as to obtaining contribution from the personal representative of a deceased director is also an addition to the law, as the former law provided that the liability should cease upon the death of the director, and therefore the estate of the deceased director would not be liable. The Laws of 1901 have, however, made radical changes in the law affecting the liability of directors for failure to file an annual report in future.

The Indiana Retail Hardware Dealers' Association.

From the Secretary-Treasurer, M. L. Corey, of Argos, Ind., we have received the following information regarding the forthcoming Convention of the Indiana Retail Hardware Dealers' Association:

"The next meeting of the Indiana Retail Hardware Dealers' Association will be held in Indianapolis, February 19th and 20th. Headquarters will be at the Hotel Denison. This meeting promises to be the best and largest in our history. We expect to profit by past experience in arranging programme and discussions to the extent that no dealer who is progressive can afford to stay away. The social feature will not be neglected, but this year the entertaining will be done by the Association, without asking outside aid. We have received about 50 applications recently, and the feeling expressed by dealers of our State who are not yet members shows they are interested and appreciate our efforts. We ask every one expecting to attend and join us at our meeting to write the secretary at once, so that proper arrangements can be made. Quite a number of complaints have been filed this term, but nearly all are satisfactorily adjusted. Present conditions show more harmony between jobbers and dealers than heretofore (they are respecting his rights and grounds, with a very few exceptions), and find they gain by adopting this course.

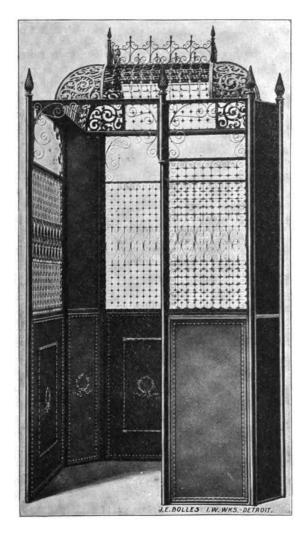
"Some trade papers claim that dealers are buying more from manufacturers direct than heretofore. This may be true in some places, but the contrary prevails. Some goods (specialties particularly) will always be bought direct from manufacturers, because, as a rule, jobbers cannot guarantee an exclusive vicinity sale contract. The jobber that caters to dealers only, and is not enjoying a good business, must look for some other cause for the difficulty. There are still a few jobbers who do not deserve our patronage, as their course demoralizes our business and encourages undue and illegitimate competition. They solicit the jeweler, druggist, grocer, department store, mill-man, blacksmith, lumberman, contractor and even the consumer; then expect the retail dealer to buy of them. A more absurd proposition would be hard to name, yet some dealers patronize them, knowing the conditions. Again we have a class of so-called wholesale and retail people, who use jobbers' rating in obtaining lower prices, abusing the privilege to dispose of surplus stock very often. The latter class are our worst price cutters. When the consumer states he wants to see 'Jones before he buys,' their regular statement is: 'He can't sell at this figure; why, he buys of us.' The Lindsay Hardware Co. recently announced their policy in a booklet sent out to the trade. They say: 'We will not sell to contractors, blacksmiths nor consumers of any kind under any circumstances. We do not try to get your customers, but will rather help you to keep them. We do everything we possibly can to protect the retailer. We do a wholesale business, nothing else.' This statement every association member must approve. We believe there is a more general disposition to act fairly, to sell better



goods on a profitable basis, to assist each other in supplying the entire wants of the consumer, instead of allowing this trade to go to mail order houses or bogus bargain leader concerns. There is a more friendly feeling and better understanding between competitors than ever existed before, and we welcome and encourage it all, for to this end associated effort has been directed."

Artistic Hotel Iron Work.

The Elevator Car design in the accompanying illustration was furnished by the J. E. Bolles Iron and Wire Works, Detroit, Mich., for the Prospect House, Niagara Falls. The cut shows how such work can be designed and finished very artistically, besides representing the latest features in construction. Their work in this line is highly esteemed, as their rapidly increasing trade from all parts of the country indicates. They have recently furnished some handsome



elevator enclosures for the eight-story Cumberland Apartments, Washington, D. C., and the Arlington Hotel, Marlin, Texas, besides numerous other contracts in this line from various parts of the country. The design illustrated is known as the Company's No. 236. They make a large variety of designs in this line.

Ohio Hardware Association.

A meeting of the Executive Committee of the Ohio Hardware Association was held at the Chittenden Hotel, Columbus, on the 19th ult. Of the members only A. C. Rohrbacher, of Akron, was absent. John F. Baker, of Dayton; J. P. Duffy, of Greenville, and H. C. Wiseman, of Springfield, were invited to meet with the committee and participate in making the arrangements for the coming convention. Messrs. Baker and Duffy were detained by illness. Ex-President Wiseman was present and gave valuable assistance because of his wide experience in such work. The members are very

enthusiastic and are determined to make the coming convention one of the best the Ohio Hardware Association has ever held. A local entertainment committee from the Hardwaremen of Columbus, consisting of E. L. Harris, J. H. Smith, W. C. Jones, O. L. Davis, Leslie Mithoff and W. A. Fearn met with the members of the Executive Committee, and kindly offered to render any assistance in their power.

The matter of insurance among the dealers was taken up and a committee appointed to investigate same. If found satisfactory the secretary was instructed to solicit and ascertain how many members could be interested, and also to find out how much money could be raised between the present time and February. The plans for entertainment and the programme of the convention were discussed at length and the visitors will have an interesting time, whether in the business or social sessions.

The programme for the convention on February 26, 27 and 28, is in hand and progressing rapidly. The association has prepared a booklet containing a list of members and also constitution and by-laws.

The Executive Committee is composed of O. M. Scott, Marysville, president; W. P. Bogardus, Mt. Vernon, vice-president; George M. Gray, Coshocton, secretary; W. C. Jones, Columbus, financial secretary; H. G. Woodward, Sidney, treasurer; George Guidon, Ada; Frank Winter, Lancaster; James P. Corson, Hamilton; J. W. Brown, Washington C. H.; George B. Meyer, Cincinnati; Harry F. Rohe, Cleveland; A. C. Rohrbacher, Akron; A. Strome, Warren.

HARDWARE PATENTS.

The following list of Patents, Trade Marks and Designs of interests to the Hardware trade are furnished by Davis & Davis, Solicitors of American and Foreign Patents, Washington, D. C., and St. Paul Building, New York City.

PATENTS EXPIRED NOV. 25, 1901.

308,337. Spring Hinge, J. H. Alexander, Philadelphia, Pa.

308,338. Stove Brush, C. Barrett, Westfield, Mass.

308,561. WRENCH, J. Houlehan, Toledo, O., assignor to R. Fuller, same place.

308,581. LANTERN, W. S. Tryon, Philadelphia, Pa.

PATENTS ISSUED NOV. 26, 1901.

687,214. BOTTLE OPENER, S. W. Entreken, Philadelphia, Pa.

687,240. DINNER POT, C. F. Kaul, Madison, Neb.

687,327. SASH LOCK, E. Miller, Chicago, Ill.

687,346. Bolt, J. Speirs, Jersey City, N. J.

687,349. HINGE, B. B. Trundy, Dedham, Mass.

687,401. Screw Driver, C. M. Morse, Portland, Me.

687,484. PROTECTIVE DEVICE FOR WINDOWS, W. H. C. Matthies, New York, N. Y.

PATENTS EXPIRED DEC. 2, 1901.

308,633. PADLOCK, P. Seiler, Chicago, Ill.

308,643. LIFTING JACK, D. True, Salisbury, Mass.

308,678. ALARM CLOCK, J. W. Kohn, Newark, N. J.

308,686. CORK FULLER, W. H. D. Merrill, Colorado Springs, Colo.

308,703. FRET SAW HANDLE, C. Richardson, Newark, N. J.

308,728. SASH HOLDER, S. E. Anthony, Stillwater, N. Y.

308,739. HINGE, B. P. Bogy, St. Louis, Mo.

308,746. CARPENTER'S GAGE, A. J. Burger, New London, Wis.

308,749. Door Spring, E. H. Clark, Greenland, N. H. PATENTS ISSUED DEC. 3, 1901.

687,762. RULE, E. Lautenbach, Chicago, Ill.

687,841. SLIDE BAR FOR BENCH VISES, M. G. Lewis, New York, N. Y.

687,884. CLAMPING DOG, M. B. Hill, Worcester, Mass.

687,939. CAN OPENING DEVICE, C. E. Moore, Chicago, Ill.

688,003. SASH FASTENER, H. L. Norton, Middletown, Conn.

688,082. Door Check, J. M. Geary, Latrobe, Pa.

The Reciprocity Convention.

It has been asserted with confidence that there is a sentiment in favor of reciprocity growing throughout the United States, and there seems to be little doubt that the broad principle of reciprocity is recognized as an essential element in our future national development. The late President Mc-Kinley's assertion that "we must not repose in the fancied security that we can forever sell everything and buy little or nothing," was the fruit of much thought derived from an accurate knowledge of commercial and industrial affairs and a profound insight into human nature.

But even so, Mr. McKinley did not advocate the precipitous action which extremists would compel; he knew that any changes in our tariff policy must be made with the utmost care and caution, that no injustice be done to any American industry.

The deeper one goes into the subject the more convinced is he that circumspection must be exercised; the phases presented vary with the standpoint of consideration, and each industry has a different viewpoint.

It is evident, then, that mutual concessions must be made by conflicting domestic interests before it is expedient to negotiate treaties with foreign countries, and such action requires business men to rise superior to petty considerations; to sacrifice something to the general welfare.

In the light of an intelligent view of the subject the recent Washington convention, held under the auspices of the National Association of American Manufacturers, to consider reciprocity, was an example of the prevalence of a broad-minded spirit among patriotic American business men. The convention was eminently conservative and equally harmonious, and the adoption of the resolution recommending to Congress the establishment of a reciprocity commission, which shall be charged with the duty of investigating the condition of any industry and reporting the same to the Executive and to Congress, for guidance in negotiating reciprocity trade agreements, was both timely and wise.

This is assurance that no violence will be done any interest, but with full knowledge and understanding will come proper Congressional action, for the people will demand the exercise of the legislative power when they feel that it is desirable.—

The Iron Age.

Advertisting American Farm Machinery in Greece.

Under date of October 30, Consul F. W. Jackson writes from Patras:

I send herewith copy of a catalogue published in Athens in the interests of one of the large manufacturing establishments of America, and would call attention to the success achieved by this method of advertising.

The local agents of this company, in speaking of the business done in American agricultural machinery, says that four times as many machines were sold this season as last, in spite of unfavorable crop conditions, and he believes the coming year will establish a record for this country, in which the area of farming land is not extensive.

I would especially call attention to the need for American houses to be represented by industrious agents in the principal trade centers of Greece. The agents of European exporters are always on the field. In response to numerous inquiries, I am endeavoring to introduce a number of manufactured articles from the United States, which, I think, can find a good market here, and, once known, will becomes indispensable. With no one, however, to look after later details, and with no direct line of ships from America, the venture constantly hangs in the balance. Competent and reliable agents may be had in almost every trade center—men who are acquainted with English sufficiently for business purposes, as well as with French and Greek. They must, however, be shown that there is money for them in the venture

without the possibility of risk, and in the larger places an amount ought to be set aside for advertising purposes.

Germany's Colonial School.

Under date of October 22, 1901, Consular Agent Harris writes from Eibenstock:

Within the past two years, the German colonial school at Wilhelmshof, in Witzenhausen, has educated and sent twenty-five young men to German East and Southwest Africa, Kameroon, Togo, South Sea Islands, Ecuador, Brazil, Philippines, Cape Colony and Sumatra. The course of study given in this school is as follows: History, colonial economics, commercial politics, chemistry, botany, geology, natural history, tropical climates, tropical agriculture, bookkeeping and gardening, with special attention to raising vegetables, fruit and vines and forestry. A chemical laboratory, a blacksmith, a locksmith, a cabinetmaking, and other departments have been arranged where work is practiced as taught.

Corn Machinery.

Corn is the heaviest and most laborious crop raised and harvested on the farm, and yet it was the last for inventive genius to take up. It was some forty years after the advent of practical grain and grass harvesting machinery before a reliable corn harvester appeared, in 1895, but its introduction during the past six years has been marvelously rapid. It is estimated that about 35,000 were sold this year, and the demand could not be fully supplied, and that within a few years the annual sales will reach 100,000, as compared with 150,000 grain binders. Throughout the extensive cornfields of the West hand cutting is an impossibility, and hence the fodder has been largely wasted. The ears were allowed to ripen on the stalk, then husked, and cattle, etc., were turned in to finish the job. The corn husker and shredder made its appearance simultaneously with the harvester and the two are bound to work a complete revolution in Western corn farming. Shredded fodder, properly saved, is almost as valuable for feed as timothy hay, and with the harvester and shredder it is now estimated that the grain of the "corn belt" will hereafter represent clear profit, to say the least. It is likely that between 8,000 and 10,000 shredders will be sold this season, or nearly as many as the annual output of threshing machines. A shredder does duty on a great many farms in the course of a season, so it can be seen how extensively the practice of shredding is being adopted. The difficulty of preserving the shredded fodder in bulk is being overcome by the practical experience of farmers, just as the defects in the first machines put upon the market have been overcome by the manufacturers. It is estimated that two companies alone expended nearly \$1,000,000 in going through the experimental period of the corn harvester, but they will get it all back pretty soon. The corn binder and corn shredder are two of the most useful machines ever invented.—American Exporter.

Plowing Made Easy.

A test was recently made near Philadelphia of a new type of four-disc plow drawn by four horses which is capable of doing the work ordinarily requiring four men and eight horses. The implement is designed for plowing simultaneously any number of furrows from two to fifteen. The number of horses required is the same as the number of disks used, each turning one furrow, but in cases where more than four disks are used it is expected that traction engines will as a rule be employed.

The Old Man—Your love for my daughter seems to have grown very fast since you found out I was worth so much money.

The Young Man (admiringly)—No, faster, sir, than the subject warranted.—Detroit Free Press.



RECENT TRADE PUBLICATIONS.

AMERICAN RAILWAY SUPPLY Co., 24 Park Place, New York, have recently issued for 1902 distribution a catalogue of the goods manufactured by them, and which would naturally come under the head of railway supplies, including Baggage Checks, Number Plates, Pay Checks, Tokens, Medals, Breast Badges, Cap Badges and Buttons and Hotel Checks; in fact, all kinds of stamped and embossed metal work. The catalogue is printed on excellent paper, with fine illustrations that show the articles in first-class shape, so that they may be thoroughly understood. Every style and description of baggage check or hotel check that would be apt to find sale are illustrated in the pages of the catalogue. Most of them are accompanied by the name of the hotel which has in all probability adopted that style. List prices are given throughout according to the quantity ordered, from 25 up to 100, and in all the customary styles. Included in its contents is also shown a large variety of metal Door Numbers, metal Door Plates, Trade, Plantation and Waiter Checks, Numbering Machines, Ribbon Dating Stamps, Registering or Counting Machines, Hand Tallies, Lead Seals and Presses, Hand Trucks, etc., etc. It is a very useful catalogue of its kind.

STARR Bros. Bell Co., East Hampton, Conn. Eighty-page pamphlet catalogue of patent Gong Bells, Engine Bells, Sleigh, Chime and Bicycle Bells, that form the product of this old company, which has been in existence over sixty years. The catalogue is well printed on good paper, showing all the usual styles and varieties of the bells enumerated above, list prices throughout, discount sheet to accompany the catalogue, and showing the fine line of Sleigh Bells of every description which have been among the noted products turned out by this company for too many years to count. Included in the contents are bronze metal Push Buttons, electrical mechanical Door Bells, Tea Bells in large variety, Hand Bells and Call Bells. In fact, almost everything in the bell line could undoubtedly be purchased from this company, as indicated by the contents of this important catalogue. They also publish in connection with the above an envelope size catalogue, covering their line of Bicycle Bells, which are exclusively shown in its pages, and intended for a wider distribution in a general way than is the larger catalogue. This also includes Automobile Bells, for which a demand at present exists; also an envelope size catalogue of Electric Gongs and Bells. The request for the large catalogue should be accompanied by one for the two smaller ones, which are of sufficient importance to make their reception desirable.

SARGENT & Co., New Haven, Conn., and 149-153 Leonard Street, New York, have recently published a 16-page folder, $13\frac{1}{2} \times 8\frac{1}{2}$ inches in size, sent out in the form of a legal document, inscribed, "Sargent's Gem Food Chopper: What? Why? How?" The early pages of the document in question illustrate and describe the Gem Food Chopper in all its various details, in connection with which a series of fourteen prepared advertisements is given of various kinds, shapes and sizes adapted for popular use by purchasers of the Chopper, to be used in the local newspaper or such advertising mediums as may be selected by the dealer. Sargent & Co. explain that these are all electrotypes in shape to furnish, and the dealer's name and address will be inserted in the space at the bottom of the advertisement free of charge on application, so that they may be used the moment they are received, in any advertising scheme recommended by the dealer for the extension of the sale of this popular specialty. The advertising methods adopted by this well-known company are of a character to impress the trade with the advantages of such a useful appliance as the one referred to. Every effort is made to extend the sales by affording the dealers handling the goods all the assistance possible in exploiting the useful features of the Chopper. This has resulted in largely multiplying the annual sales of this single specialty.

WHITE, VAN GLAHN & Co., 15-17 Chatham Square and 49 East 42d Street, New York, are distributing a very handsome brochure, admirably adapted to catch the holiday trade, printed on coated paper and filled with fine illustrations showing a line of Tool Cabinets, all of which, as the cover states, are "Tools, Not Toys," and which are referred to in the preliminary page as being of standard sizes, carefully selected for practical use, and bearing the impression of manufacturers whose names have always stood for best quality, every tool being fully warranted. The Cabinets are made of selected, well-seasoned oak, antique finish and polished, fitted with brass hinges and a two-keyed brass cylinder lock, the tools being held in place by special fastenings, and the drawer is locked when the door is locked. The unique construction of the Tool Cabinets shown is of a character to command instant attention. Nothing more suitable for household requirements could be thought of in connection with the holiday season than a well stocked tool cabinet, in which the character of the tools is the important feature. The prices named in connection with the different sizes of these cabinets are \$25, \$15 and \$10, and as the tools contained in each cabinet are fully warranted, the special requirements of the householder can be covered not only by his wants but also by his pocket book. It is a booklet very attractively gotten up, and sure to receive proper attention.

W. L. BARRETT, Bristol, Conn. Sixteen-page catalogue, oblong form, covering the line of Standard Glass Cutters which have long been manufactured by him. This is a catalogue recently issued from the press for the trade of 1902, and embraces in its assortment all the various styles of these useful articles now handled by the Hardware trade, and affording a fair profit from the fact that the manufacturer's prices are low by comparison with the retail distribution. Glass cutters of this description have now become a regular article of sale, and every Hardware store in the country is supposed to handle them. The different styles of handles are made to conform to the hand, imitating as nearly as possible those used in the old glaziers' diamonds, but instead of the diamond point they are fitted with a small, hardened steel revolving wheel, the sharp edge of which cuts in almost every instance as readily as the diamond. They are made in a variety of shapes and styles, some of which include the combination form: a Glass Cutter, Putty Knife and Point Driver; other styles, Glass Cutter and Putty Knife only. A number of these combination tools in some communities meet with a large sale from the fact that they may be applied to so many uses, and in this catalogue there are a half dozen different styles that would come under that head. Mr. Barrett also makes a Standard Glass Cutter with a circle sweep for cutting circles, rounding lights, etc.; also a Glass Tube Cutter, very handy for engineers, steam fitters and others desiring to cut glass tubes. This catalogue is one that should be in the hands of all Hardware dealers, those who are handling the goods and those who may be contemplating the same.

NEW GOODS AND SPECIALTIES.

The Standorette.

D. H. Allen & Co., Miamisburg, Ohio, are the manufacturers of The Standorette, an extremely useful article for various purposes, an advertisement of which will be found elsewhere in the columns of *Hardware*. It is manufactured from steel tubing, and the several parts are secured together in such a manner as to produce the lightest and strongest possible construction. There are no screws, bolts or nuts to unscrew; hence no screw driver or wrench is required while taking it apart or setting it up, and its total weight is 15 pounds. In Fig. 1 we give an illustration of The Standorette

artists or painters, the work being clamped to the top, and adjusted to any convenient height. It makes an excellent music stand, the top being provided with vertical adjustment, enabling the music to be held in proper shape for all purposes. As a sewing stand it will recommend itself to the ladies of the household, as it takes the place of the old-style-lapboard, with the additional advantage of having the board.



FIG. 1.

as it appears when ready for use. In Fig. 2 are given some of the details of its construction, by which it is seen that it is practically composed of six tubular pieces: One standard, four legs and one supporting arm, with wood top. The top of The Standorette is provided with four independent movements with automatic adjustments:

Vertical Movement—For adjusting to various heights.

Horizontal Movement—For bringing the top into convenient position or swinging it around out of the way.

Tilting Movement—For adjusting the top at any angle. The top is also pivoted in the end of horizontal arm and therefore can be rotated in either direction in order to keep same square to the front. By the combination of these movements the top can be placed in every conceivable position, and when the desired position is obtained the top is held automatically in that position. There are a number of uses to which this useful article may be applied, among which may be mentioned



FIG. 8.

self-supporting and enabling it to be swung into or out of position without removing the work. The company have full descriptions of its various applications embodied in their recent booklet and circulars, and have just issued a handsome lithographic show card 12 x 16 inches in eight colors, which they would be glad to furnish the trade, on application, with the confident assurance that the dealer would be sufficiently interested to add an article of such great utility to his stock, as the margin for profit on this product to the Hardware dealer is a very satisfactory one. It is made in several styles of finish, list prices of which range from \$6 to \$7.

Model Store Fixtures.

In the accompaning cuts we show two of the patented improved designs in store fixtures brought out by the J. D. Warren Mfg. Co., Chicago. In Fig. 1 are shown Drawers with Glass Fronts artistically arranged for displaying a sample of

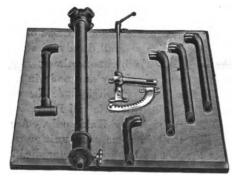


FIG. 2.

the following: As a reading stand for the library; as a book rest for convenience in copying or reference; as an invalid stand, which enables meals to be taken comfortably while in bed, for which particular purpose its utility is unquestioned, or as a card stand offering but little obstruction when in use for such purpose. It can also be utilized as an easel for

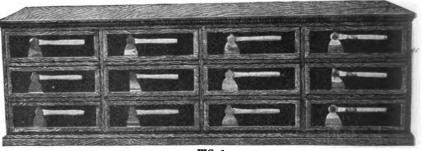


FIG. 1.

each of the various patterns of hatchets that may be carried in stock. Each drawer is divided for the different numbers, 1, 2 and 3, the sample answering for each. They also make a similar arrangement for unhandled axes, which it will be remembered was illustrated in *Hardware* a short time ago. The drawers are adapted in height and width to the size of

the axes, each drawer being calculated to contain one dozen assorted weights. In Fig. 2 a cabinet is shown which is designed for surplus stock. It is arranged with paneled drop leaves to increase its convenience. The compartments it is intended shall be numbered consecutively, the corresponding number being marked on the side of the drawer from which

sportsman's kit, which, in modern days, is a matter that would naturally recommend them. They are made in two shapes, one the egg-shape, as shown in Fig. 1, and another in what is called the barrel-shape, Fig. 2. The full size cut of the egg-shape is $2\frac{1}{2}$ inches in size and the barrel shape, 4 inches. The egg-shape is made in a number of sizes, run-



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the goods are retailed. This arrangement enables a clerk with but limited experience to find the surplus stock without assistance. The number can also be registered in the index of any Hardware catalogue in use, placing it opposite the name of the indexed article. Thus, the manager at his desk is in a position to tell where any article in the surplus stock may be found, giving both the number of the drawer and also the compartment where the surplus stock is placed.

Patent Nyssa Fishing Floats.

J. M. Mast Mfg. Co., Lancaster, Pa., are the manufacturers of the Patent Nyssa Fishing Floats, illustrations of which are given in the course of this article. They have been manufactured to supply a general want that has been developed among those who use fishing tackle, and they are

ning from 1¼ to 4 inches in length, the barrel-shape being made in 1¼ to 6 inches. List prices and discounts will be promptly furnished by the manufacturers on request.

Mica Found in Vermont.

An inexhaustible deposit of mica has been discovered on the farm of Alonzo Estabrook, in St. Albans, Vt., by C. L. Stewart, of Rutland. The deposit, according to the expressed opinion of a number of geologists and mica experts, is undoubtedly one of the most valuable in the United States.

The mica was found to be in a vein of quartz about 15 feet wide and cropping out on the surface for a distance of over 25 rods proving that the supply is practically inexhaustible.

Active work toward getting out the product was begunabout three weeks ago, and in 16 days a force of but three

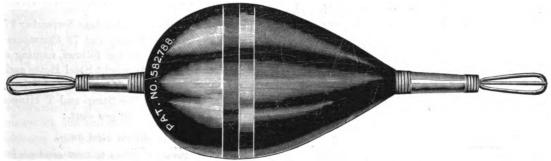


FIG. 1.

meeting the expectations of the trade in every degree. They will undoubtedly be found extremely good sellers in connection with this line of seasonable goods. These patent floats are made of the roots of the Nyssa tree, a material tougher, lighter and more buoyant than cork. The patented loop

men took out 6,000 pounds of the finest mica. Considering the size of the force and the fact that they were equipped with only a plant consisting of a six horse-power steam driller, a circular saw and a steam drill, their showing is considered remarkable.



PAT. No. 582.788. FIG. 2

tips make them readily attachable to the line and easily adjusted to the proper depth. These floats are claimed to be practically indestructible, as the wood is tough and the patent tips firmly fixed into the hardwood ends, all being well bound. They are very graceful in shape and are claimed to add immensely to the natty appearance of the

Prof. G. H. Perkins, State Geologist of Vermont, who has recently examined the deposit, is enthusiastic over it.

Mr. Stewart's plans for the carrying on of the work are, as yet, undetermined. Figures for the formation of a stock company have been prepared, but this move also is as yet undecided.—St. Albans Messenger.

REVIEW OF THE MARKETS.

Wire Nails: There is still an appreciably good demand for Wire Nails, although transactions do not represent large quantities. In the present condition of the Wire Nail market very little discrimination is made between good fair requisitions and ordinary specifications, quotations by outside mills having unsettled standard quotations in a measure, and made it more desirable to hold one's trade at little or no profit. Quotations are nominally held at the irregular prices given previously, although the market is anything but steady. Quotations are as follows: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers in carload lots\$2	20
" less than carload lots	80
To retailers in carload lots	80
" less than carload lots 2	40

New York: The trade without being especially large, is still an active one. The market may be said to be represented by the following quotations:

Cut Nails: A slackened demand is noticeable in the Cut Nail market as the active season draws gradually to a close. The market is firm at quotations governing sales for the month, already established, which are as follows: f. o. b. Pittsburgh, plus the actual freight to point of destination, terms 60 days, or 2 per cent. discount for cash in ten days:

New York: The New York market is steadily held at quotations previously prevailing, although the demand is a nominal one.

To jobbers	in carload lots on dock	.18
Small lote	from store	2.28

Barb Wire: The demand at the present time for Barb Wire having lessened considerably, an occasional concession from the nominal quotations so long prevailing is occasionally heard; such deviations from established prices, however, being too slight and infrequent to affect the general market, which remains as follows: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers i	n carload lots, Painted	\$2.60
46	" Galvanized	2.90
44	less than carload lots, Painted	2.65
44	" Gaivanized	2.95
To retailers	in carload lots, Painted	.2.70
44	" Galvanized	. 8.00
"	less than carload lots, Painted	2.80
44	" Galvanizad	8 10

Ellwood and Baker Wire is 5 cents and Washburn & Moen Glidden is 10 cents per 100 pounds higher than the prices above named.

Plain Wire: The business being done at the mills in the distribution of Plain Wire is largely in the interest of those manufacturing Wire products whose orders in anticipation of Spring trade demands, are now being looked after with some degree of interest. Slight concessions are occasionally made in order to obtain the early business. Regular quotations continue as follows: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers in carload lots\$2.25 less than carload lots 2.30	\$2.65 2.70
To retailers in carlots	2.75 2.85

The above prices are for the base numbers, 6 to 9. The

other numbers of Plain and Galvanized Wire take the advances indicated in the following table:

No	B.					ire Adva		-			Galv	inised.
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15		• • •		•	45	44	44	44		::	75	44
îĕ					55	66	44	66			75	44
17					70	44	64	44			1.00	44
īè	• • •	• • •	•	•	85	66	44	46			1.00	66

Wrought Butts: Under date of November 27, manufacturers of Wrought Butts have issued revised discount sheets which show advances of about 10 per cent., as the base discount is diminished. The present base discounts on this line of goods are as follows, an extra discount of 20 to 25 per cent. being obtainable:

	Disco	
Table Hinges_and Back Flaps		60%
Loose Joint Butts		めいる
Narrow_Butts		60%
Broad Butts	• • • •	60%
Light Loose Joint, Narrow and Reversible60	and	10%
Loose Pin Butts60	and	10%
Light Inside Blind Butts60	and	10%
Light Loose Pin and Loose Joint Butts60	and	10%
Loose Pin Ball and Steeple Tip Butts	• • • •	75 %
Loose Joint Ball and Steeple Tip Butts		10%

Strap and T Hinges: In connection with the advance on Wrought Butts an advance was made in the price of Strap and T Hinges, the new base discounts being as follows, beyond which an additional discount of 10 to 20 per cent. is frequently given:

Light Strap Hinges		 	<u></u>	70%
Heavy Strap Hinges. Light T Hinges		 	75	and 10%
Heavy T Hinges		 	6	0 and 5%
Extra Heavy T Hinge	S R	 		75

The Stanley Works: Under date November 27, the Stanley Works, New Britain, Conn., and 79 Chambers Street, New York, issue a discount sheet as follows, naming advanced quotations in the price of Wrought Steel Butts and Strap and T Hinges. The Butts are subject to an additional discount of 20 to 25 per cent., and the Strap and T Hinges to an additional discount of 10 to 20 per cent.:

Bright Steel Butte. From list prices in 1895 catalogue:

From list prices in 1895 catalogue: Discount.
Bright Steel Butts, Nos. 800, 802, 804, 806, 808, 810, 814, 816,
818. 820 60%
Bright Steel Butts, Nos. 826, 834, 836, 838, 840, 842, 843, 844,
845, 846, 848
Strap and T Hinges.
From list prices adopted March 15, 1901:
Light Strap, No. 900. 70% Heavy Strap, No. 902. 75-10%
Light T, No. 904
Heavy T, No. 906
Extra Heavy T, No. 908
Long Chest, No. 910
Long Chest, No. 910
Crate Hinges, No. 916
Crate Hasps, Nos. 918, 920
Corrugated Heavy Strap, No. 935
Corrugated Extra Heavy T, No. 937

Japanned and Galvanized Hinges. From list prices in 1895 catalogue:

Japanned Light Strap, No. 952	
Japanned Heavy Strap, No. 954 5	0-5%
Japanned Light T. No. 956	55X
Japanned Heavy T, No. 958 5	0-5%
Japanned Extra Heavy T, No. 960	50%
Japanned Hinge Hasps, No. 964	45%
Japanned Long Chest, No. 962	50%
Japanned Crate Hinges, No. 970	55X
Galvanized Hinges with iron pins, Nos. 1300, 1302, 1303, 1304, 1305, 1306, 1307, 1308	
1305, 1306, 1307, 1308	65X
Galvanized Hinges with brass pins, Nos. 1300 4, 1302 4, 1303 4.	
Galvanized Hinges with brass pins, Nos. 1300¼, 1302¼, 1303¼, 1304¼, 1305¼, 1306¼, 1307¼, 1308¼	60X

Cordage: The Rope market is without material change, and we continue the quotations named in our previous issue, which represent the present market:

Manila. 7-16 inch and larger	Pounds. Cents.
Manila, 7-16 inch and larger. 5 inch. 4 inch and 5-16. Sisal, 7-16 inch and larger.	
% inch	
Lath Yarn, medium and coarseJute Rope, No. 1	816

Linsced Oil: The following quotations are the latest announced by the Dean Linseed Oil Co.:

In lots of less than 5 barrels.......56 cents per gallon. In lots of 5 barrels or more.......55 cents per gallon.

The five-barrel price applies only to deliveries of that quantity at one time.

Boiled Linseed Oil, 2 cents per gallon higher than Raw. Calcutta Oil, 85 cents per gallon.

THE BALTIMORE TRADE.

Approaching the end of 1901, the third year of prosperity in business following the Spanish-American war, our thoughts naturally dwell upon the prospects and possibilities of a continuance, during the coming year, of this prosperity with which the trade generally has been so kindly favored, and barring some unforeseen calamity we feel quite sanguine, after considering the present conditions influencing supply and demand, that there are no breakers ahead for the next twelve months to come.

All farming products are and for a long time have been bringing lucrative prices; labor has found ready employment at good wages, the manufacturers have in many lines received more orders than they could fill promptly, and in some instances could fill at all, and the jobbers report a steady increase in the volume of business they are doing, while the retailer is thoroughly alive to the situation and hustling.

As success encourages renewed efforts for further success, so in the accumulation of profits is this illustrated most strikingly at present by the absence of price cutting. All seem to realize that profit can and should be obtained and are maintaining such selling prices as will ensure a legitimate and living profit.

While exceptions will be found as nature delights in changes, and a few will not observe business ethics, yet it must be apparent to the majority that we are having a rich harvest and should gather and store so that we might be prepared for a crisis that will certainly come in due course of time. The Government's attitude in the matter of protection and extension of our commerce stimulates industry and imposes confidence, and with a check upon monopolists our national and individual interests will be better preserved and our Ship of State continue to glide through smooth waters and in the well defined channels of prosperity.

Sales for the past month have been quite satisfactory, but are now, as usual, falling off to again begin, we hope, with customary vigor about the first of January. Prices remain firm and a few advances noted. Strap and T Hinges have risen 10 per cent., and there is strong probability that sisal rope, cotton rope and other cotton goods will shortly advance.

Collections are good and comparatively few failures reported in this section.

H. W. Webb & Sons.

THE PITTSBURGH TRADE.

Among the large industries of Pittsburgh is the river coal trade. Although the Monongahela has been for many years improved with locks and dams, making it available all the year, the Ohio is still waiting more liberal appropriations from the Government. Only a few locks and dams have been constructed as yet, consequently the river is not available for coal running below Pittsburgh, except upon freshets. The fall of snow and rain last week gave us coal boat water and over 10,000,000 bushels went out. This equals about 400,000



tons or 26,666 car loads of fifteen tons each. About the same quantity waits in the Pittsburgh harbor for the next freshet. There is no more important matter before our Government than the improvement of our internal waterways. If our Pittsburgh and Lake Erie canal were a fact instead of a future uncertainty, the present blockade on our railroads would be an impossibility, while the use of the Ohio River during the whole year would be of incalculable value to Pittsburgh and the whole Ohio Valley.

General trade continues very active, November showed a good increase over the same month last year, and December opens with indications of the same condition for the closing month of the year.

LOGAN-GREGG HARDWARE Co.

THE CLEVELAND TRADE.

Increase in the volume of business, added to an increase in prices, makes an increase in the circulating medium necessary. It was supposed that the amended Banking Act would largely increase the currency and provide this supply, and it might have done so, had business not largely increased, but we are still compelled to look to the Secretary of the United States Treasury to relieve stringencies in the money market, and the immense investments of the country are still dependent upon his action.

Such a condition is repugnant to every sense of safety. Notwithstanding the outcry that the banks are favored with special privileges in being allowed to issue currency, very few of them have accepted it by increasing their bond deposits.

It is believed that now is the time to complete legislation, providing for an adequate currency, based upon the legitimate law to supply the demand, leaving the Government out of the banking business. No more dangerous condition could be devised than to leave the supply of money to depend upon the decision of one man. No monarch could wish for anything more potent and it should have no place in a free country.

It is not wisdom to base so large a stake upon the integrity and wisdom of any official, as public and private interests do not always harmonize.

The indications show no decline in trade and the tendency is for an advance in prices, rather than a decline.

THE LOCKWOOD-TAYLOR HARDWARE Co.

THE ST. PAUL TRADE.

Conditions here are very good. Orders from all sections are very large and satisfactory. Prices are somewhat demoralized on staple goods, partly due to an effort of several outside jobbers to get into this territory, but such efforts are always short-lived, as the outside man is handicapped by the length of time it takes to get goods to customers, and, furthermore, the outsider does not enjoy selling goods at cost, and when he finds he must continue to buy his trade Ly making such low prices, he soon gets tired of it and stops. We believe that



the time will come when each jobbing center will not try to go outside of his legitimate territory and in that way business will be done on fair margins, and everybody will be happier. Our weather continues fine. No cold weather or snow has bothered us. Collections are coming in very nicely.

C. W. HACKETT HARDWARE Co.

THE DAVENPORT TRADE.

Will there be a hundred million dollar Hardware jobbing syndicate organized and successfully operated in this country? is a question that must be of vital interest to all. Will some of the Hardware contributors through your columns give any information they have on this subject?

There could be no more delightful weather for building and driving nails than now, and hence Builders' Hardware and nails are in active demand, and, in fact, the sales' footings continue to compare favorably with those of the corresponding dates of a year ago.

Traveling salesmen have been more numerous of late, indicating that in some lines, at least, manufacturers are catching up with their orders and may be again accumulating stocks. Collections satisfactory.

SICKELS, PRESTON & NUTTING Co.

THE COLUMBUS TRADE.

Trade continues good, but the weather is not favorable for winter goods and repeat orders are not coming in as they would if the weather were seasonable. It has been exceedingly dry for several months. In fact there has been but very little rain since the wet spell in June. Small streams are all dry and farmers are hauling water for stock or driving to large streams when near by. There has not been enough moisture to give wheat a start and unless rain comes soon, great hardships await all classes and the outlook for wheat will be poor. The nice weather keeps up the demand for Builders' Hardware and Mechanics' Tools. Prices on some lines are not firm. Especially is this true with Nails, Wire and Glass. The usual cutting on season goods has already begun and low prices are quoted on Steel goods, Screen goods and Poultry netting. There always are enough goods made by manufacturers whose reputation for quality is not the best, to demoralize prices. Some buyers will drop a standard brand that their trade want, and foist off an inferior brand with the inducement of a 5 or 10 per cent. better price. As a rule, the retailer has enough extra trouble in trying to convince his customer that the article is as good as the extra profit amounts to. It is a rare thing when he can get as much for the off goods as for well-known makes; he loses more or less sales and does not satisfy his trade, and as a rule has more goods to carry over. He buys the goods in the vain hope of being able to undersell his competitor, but does it pay in the end? We think not.

But one month remains of the year 1901, and we think dealers have had a very satisfactory year. Prices have been fairly stationary with few exceptions, and a dealer buying a stock did not have a general decline before he had time to dispose of it. Collections have been above the average and losses less frequent. We think as a rule balance sheets will be very satisfactory when inventory time comes.

THE SMITH BROS. HARDWARE Co.

THE OMAHA TRADE.

The unusual weather prevailing in this vicinity during the past sixty days has tended to materially change the ordinary course of trade. At this season of the year we expect, naturally, that sheet iron, coal hods, elbows, stove boards, skates, sleds, etc., will be in demand. These goods, however, have shown very uneven and sluggish movement, and in place there has been a heavy demand for nails, barbed wire and builders' Hardware.

A customer remarked yesterday that in his locality building was going on just the same as in the summer, and that contractors were figuring on new contracts, taking them just the same as though it was April in place of December. Notwithstanding these conditions, the volume of trade has held up remarkably well and no complaint comes from the country as regards trade or collections.

On the Ranges the weather has been exceptionally favorable for stock, and while the general trend of prices appears to be downward, we all realize the fact that some goods are higher than they should be and that a falling off in prices would result in an increased consumption and prove of benefit rather than detriment to the producer. An unreasonably high price on any line of goods is usually followed by an extremely low one, and all interests it appears are better satisfied, better served and better remunerated by a fair margin of profit for the manufacturer, jobber and retailer.

RECTOR & WILHELMY Co.

Exports of Wire Products in October.

Foreign shipments of trust-made American wire and wire nails, made through eastern ports during October, aggregated nearly 7,500 tons, almost 40 per cent. in excess of the consignments made in September.

Australia was the largest buyer of wire last month, twelve lots, amounting to 2,616 tons, and including a single shipment of 1,022 tons, having been forwarded to various Antipodean ports. The wire exports to South American countries were also especially heavy last month, the total shipments be-



THE BEST ROTARY **WASHING MACHINE?**

It is the only Rotary washer that has Revolving Steel Ball Gearing, reducing the friction and thus making machine so light running and almost noiseless.

noiseless.

The tub is made of Louisiana Red Cypress Lumber, cherry finish; the legs are solid with tub (not removable, breakable legs fastened with screws). The wheel turns right or left, pin wheel or dasher reverses automatically, turning the clothes back and forth through the hots ap-suds, and cleaning them without rubbing them to pieces.

This washer is made by experienced mechanics, and will out-last any other washer on the market.

The tub has a wringer box fastened with steel brackets.

The lid on the tub closes tight, no escape of steams.

Manufactured by H. F. BRAMMER Mf G. CO., DAVENPORT, IOWA.

Brauer's Pat. Ankle Su

Made of Russet Leath

FOR SALE BY ALL JOSSERS

HANDLING SKATES.

405 N. 19th St.,

Manufactured BRAUER BROS St. Louis, Mo.

ing 1,260 tons, distributed as follows: Buenos Ayres, 720 tons; Rosario, 214 tons; Brazil, 208 tons; Chili, 125 tons, while the rest was forwarded to Montevideo. The South African shipments aggregated 914 tons. Mexico took four shipments, representing 250 tons.

The exports to Europe amounted to 952 tons, of which the United Kingdom took 893 tons. The Continental European buyers were France and Sweden. Minor shipments were also made during October to Cuba, Bombay, China and Japan.

The export shipments of nails during last month amounted to 1,226 tons. Australia was the largest purchaser, 342 tons going to various ports in that part of the world. The exports to far eastern ports amounted to 211 tons, consignments to China and Japan aggregating 705 tons, while the remainder went to Bombay.

The total shipments to Europe were 269 tons. Following are details of the consignments: To the United Kingdom, 116 tons; Liverpool, 58 tons; Glasgow, 57 tons, while the rest was equally divided between Newcastle-on-Tyne and Leith. The shipments to Continental Europe comprised 73 tons, the ports to which consignments were made being Havre, Copenhagen, Trieste and Marseilles. South America took 124 tons of wire nails in October, Brazil being forwarded 115 tons, the balance going to Chili. Minor shipments also went to Mexico, Manila and South Africa.

Samuel Lincoln, ancestor of Abraham Lincoln, emigrated to America from Norwich, England, in 1687, and manufactured wrought iron directly from ore at Bound Brook in

He—I understand she married him for his money.

She-No, it was for love.

He-Love, indeed.

She—Of course. Love of his money.—Ex.

H. & R. Single Gun NON-

12 and 16 Gauges.

Steel and Twist Barrels.



Ejecting.

Simplest

"Take

Down"

Gun made.

Superior in Design, Workmanship and Finish, and the Most Popular Gun on the Market.

HARRINGTON & RICHARDSON ARMS

Also makers of H. & R. Revolvers,

Catalog on Request.

Worcester, Mass., U. S. A.



ESTABLISHED 1872 The R. Woodman Mig. & Supply Co.

Raliway and Mill

Supplies. ed for Cate

68 Oliver St., Boston,

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.



"SAFETY" STEP LADDER

THEY are equipped with side rails which extend \$14 to 8 feet above the top step, which makes it easy to ascend or descend, serving as a protection from falling, at the same time giving 8 feet more working space than ordinary ladders. Made from the best yellow pine lumber and put together with bolts and screws, thus insuring the strongest and best made ladder on the market.

Factory. Spring Grove Ave. and Straight St.

ABSOLUTELY GUARANTEED.

Our descriptive circular showing larger cut of Ladder with prices, etc., yours for the asking.

AMERICAN JUVENILE BED CO., Offices, No. 10 Wiggins Block, CINCINNATI, O.





STANLEY

Improved Carpenters' Tools.

SOLD BY ALL HARDWARE DEALERS.

A Combination Mop and Scrubber.

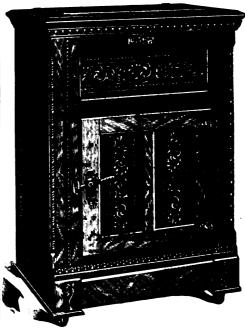
As the mop and scrubbing brush are both necessary adjuncts to the neat housekeeper's outfit, it has occurred to Edward Hilker, of Chicago, Ill., that the two implements might be combined with advantage into one article. The brush is permanently secured to the end of the handle by a hinge, which permits free movement in drawing the brush over the floor. At the end of the brush is a slot into which the tongue at the end of the wire bail fits to hold the cloth in position beneath the brush. The main feature of the implement, however, is the improved wringer attached to the handle, which makes it possible to twist the cloth until the water is wrung out, by simply turning a crank on the sliding carriage. Previous to wringing the cloth the bail is loosened and swung beneath the brush to bring the cloth in a straight line, the carriage sliding up the handle until the cloth is drawn tight. This position is also maintained when it is desired to use the brush without the mop.

The roller press, an idea of Nicholson's, was introduced in 1816.

Clymer's Columbian press was patented in 1817. Considered very wonderful.



Baldwin Refrigerators.



Porcelain, Metal or Spruce Lined Ash, Oak and Softwood Finishes,

Dry Air and Positive Circulation.

Latest Cleanable Features.

The Strongest and Best Syste of Patent Removable Metal Air Flue

The Best Lock in the World.

Air-tight Waste Trap.

Ball-bearing Casters.

Swing Base

Workmanship and Finish

We have the best and most thoroughly equipped exclusive Refrigerator Factory in the East. We have learned how to make the be Refrigerator and we always do it. We have had over 25 years' practical experience and are no experiment.

HANDSOME NEW CATALOGUE READY.

Baldwin Refrigerator Co., Burlington, Uermont.

The Miller Catalogue Cabinet Co.

ROY MILLER, Pres. H. KELLY. Sec.

Complete Index Systems and Cabinets for filing Catalogues, Price Lists, etc.

Box 60, Alma Centre, Wis. 89-41 Cortlandt St., New York.

Janesville Hay Tool Co.,

122 LAKE ST., CHICAGO.

" DEAD LOCK "

Hay Carriers.

STEEL TRACK.



HAY SLINGS.

HAY FORKS.

HOOKS. PULLEYS, &c.

We are Pioneers in the Hay Tool Business, and 20 years has demonstrated the efficiency of our goods. SEND FOR CATALOGUE.

DECEMBER 10, 1901.

Registered Trade Mark



Registered Trade Mark

Steward Wants

Dealers of Standing to send for a copy of his little booklet entitled "CENTER SUPPORTS." Mailed Free.

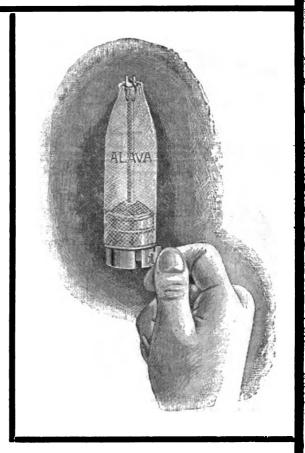
It is highly diverting and contains instructive matter of a surprising kind. It tells about ALAVA, the new center support mantle with a center support that always stands up straight. Do it now. This ad. will not appear again.

AVA makes mantles last longer because it cannot bend over.

ALAVA saves chimneys because it reduces vibration and always stands up straight.

A A V A is easily put on lamps.

ALAVA does not obstruct any of the light.



These Results are Guaranteed, and Sellers are Authorized to Refund

the purchase price to any dissatisfied customer.

SEND 60 CENTS FOR A SAMPLE, POST-PAID AND REGISTERED, SAFE DELIVERY GUARANTEED.

D. M. Steward Mfg. Co.

General Office and Works:

New York Office:

Chattanooga, Tenn. 107 Chambers St.



Improved Natural Stone Germ-Proof Water Filters.

The demand for Germ-Proof filters is at hand. A line of these complete filters, with our display card, will enable you to sell large numbers of them to your trade. Price sheet with big discount furnished upon application to

FULPER POTTERY CO.,

Pottery Established 1805.

FLEMINGTON, N. J.

SYRACUSE CHILLED PLOW CO., SYRACUSE, N. Y., U. S. A.



Manufacture the Largest Line of

WOOD & STEEL WHEELBARROWS, CONTRACTORS' PLOWS, DRAG AND WHEEL SCRAPERS, HAND CARTS, STORE AND WAREHOUSE TRUCKS,



BEFORE PLACING YOUR ORDER SEND FOR No. 9 J. CATALOGUE AND PRICES.



A Great Labor Saver.

Will pay for itself in a single day. Where Steel Giant Grubbers are kept and shown a large trade is soon established. They are a necessity to almost everybody owning land. Moderate price. Large margin of profit to the dealer.

Sample orders solicited and promptly filled.

New Gentury Manufacturing Go.,

79 East 130th Street, New York.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 185%

Tools, Cutlery and Springs.



SCREWDRIVERS OF ALL KINDS

SENE FOR CATALOGUE

LOGAN GREGG HARDWARE CO.

LARGE STOCK
LOW PRICES
CAREFUL ATTENTION
QUICK SHIPMENT

OUR AIM

To conduct our business as Wholesale Distributors of Hardware so that both Manufacturer and Retail Merchant shall recognize the value of our service.



One of the Best Mediums Known.

C. T. Williamson Wire Novelty Co., Newark, N. J. [Corkscrews]: To present new goods to the trade we consider HARDWARE one of the best mediums known.



CHEAPEST and BEST DOOR STOP on the market. It holds the heaviest as well as the lightest door, can be also used as a bumper and as a Protector against Burgiars.

We are also sole agents for the Improved Norton Air Door Check, Gold Bronze and Aluminum and Brenzing Liquid. Sold in any quantity



The Blount Liquid Check. Telephone Call, 1754 Certlands. NEW YORK.

Good Advertising an Important Matter.

There is advertising and good advertising. In other words, it is possible to spend large sums of money on advertising and to reap no benefits therefrom, and it is also possible to build up a large business by means of a gradual and properly developed system of advertising. Many kinds of advertising are open to manufacturers, but the advantages of using trade journals as advertising mediums are so obvious that we can allude to the subject without fear of being accused of self-interest. To reach the trade the trade paper must be employed, and to reach the cream of the trade the best journal and one which has attained a high degree of popularity should be selected. It is of little use to advertise the manufacturer's name and address, and with a brevity-not commendable-state that the advertiser "makes tools or implements." What is wanted is to impress readers with some special qualities of production, remind them of seasonable lines, lead them to ask for quotations, and either by judicious wording or pictorial illustration induce them to associate that firm and that firm alone as the best maker of those particular goods. The makers of novelties and specialties may go further, and stamp upon the minds of their readers the real sterling merit of the goods they offer, and above all, by illustration and description, leave a clear impression on the minds of all who study the advertisement of what the article is like, and to what extent it is likely to become popular. Goods should sell because of their merits, and a clear, living advertisement should be like a clearly explained description. Indeed, those who "live by advertising" say a properly drawn advertisement is equal to a verbal description by an eloquent salesman .- Ironmongers' Chronicle.



WILL DO MORE WORK <u> THE</u> " DISSTON

WITH LESS EXERTION AND HOLD ITS CUTTING EDGE LONGER THAN ANY OTHER BRAND.

DISSTON SAWS

Are Fully Warranted

As to

Material

and

Manufacture.





Owing to the Demand for a SKEW BACK SAW

of the superior quality and finish of our No. 13 we have placed on the market the

HENRY DISSTON & SONS, Inc.,

PHILADELPHIA, PENNA. Keystone Saw, File, Tool and Steel Works,

WINSLOW'S NEW SIDE ADJUSTMENT-SKATE

Which can be adjusted on the boot as the skater may desire. The runners have FLANGED BOTTOMS which make them light but strong.

We manufacture the largest assortment of Standard Lever Adjustment Skates for Men and Women.

Beautiful Hanging Signs iliustrating our Ice Skates and Double Runner Skate will be sent to Dealers upon application.

Our 1901 Catalogue is completed and we will send it to any address.





The Samuel Winslow Skate Mfg. Co., Worcester, Mass.

AND ONE OUR PRICES We have

BLIZZARD

OLD NICK

JOKER Two sizes: rats and mice.

SNAPSHOT

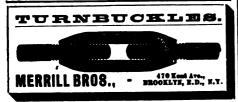
J. M. Mast Mig. Co. LANCASTER, PA.





Best Choker







MR. DEALER:

DO YOU WANT A GOOD THING?

In other words if you want to give your customers BEST VALUE in OVENS

TROY BUY THE

Bake quickly, perfectly, and evenly on both top and bottom.

Before placing your oven order write us for particulars and prices. It will pay you.

1903 Model

dy for delivery Jan. 1st.

ROYAL POLISHED STEEL ROASTER CO., TROY, O.



JOBBERS

wanting a 1901 NOVELTY, that is a 1902 NECESSITY, must handle

THE "APOLLO"

LAWN-SWEEPER 20, 24 and 28

Inch Sweep.

Write for booklet

guaranteed. THE GREENE MFG. CO.,

FACTORY FLOORS! Made right, looks right, is right and

Removes cut and

dead grass, leaves, refuse, etc., from the lawn and

sweeps SIDE-WALKS,

PAVED STREETS and

12 East St., Springfield, Ohio, U. S. A.



Hardware dealers, the country over, are requested to contribute to this page. News of ew stores, changes, improvements, etc., will be gladly received, and promptly published.

Incorporations, New Stores, etc.

Baltimore, Md.-The R. E. Kirk, Jr., Co. has been incorporated for the purpose of dealing in brass Hardware, marine and electrical specialties and the construction and repairing of machinery, with a capital stock of \$2,000. Robert E. Kirk, Jr., E. Lester Hakesley, S. Frank Bennett, Robert H. Dew and Robert E. Kirk, Jr., are the incorporators.

Gaffney, S. C.-Smith Hardware Co. has his Hardware store. been incorporated. Capital, \$15,000.

Green Bay, Wis.-The Gotfredson Bros.' \$250.000 by Lawrence Gotfredson, Beniamin Gotfredson and Jacob D. Peat.

Griffin, Ga.-The Griffin Hardware Co. has made application for a charter. company is composed of W. B. Mathews, W. P. Walker and J. E. Drake.

Hummelstown, Pa.—Adam G. Shope. rium Building.

Mansfield, Tex.-Marrs, Back & Mc-

McKeesport, Pa.—Hartman Hardware Co. has been incorporated. Capital, \$75,000. London, Ont.-David H. Howden, for several years the manager of the John Bowman Hardware & Coal Co., of this city, years. has decided upon opening in a few weeks a wholesale Hardware establishment in the new Cruickshank Building on Richmond Street, opposite the Tecumseh House.

Los Angeles, Cal.—Articles of incorporation have been filed by the Nauerth Hardware Co., capitalized at \$25,000. The officers and directors are: Jacob Nauerth, Regina A. Nauerth, H. C. Mayer, Sarah K. Mayer, Valentine Baumgartner.

Raleigh, N. C.—The Secretary of State has issued letters patent to the Hart-Ward Hardware Co., incorporated to succeed The Julius Lewis Hardware Co., at 224 Fayetteville Street. The incorporators are C. B. Hart, F. T. Ward and Lula H. Ward. The charter authorizes a general wholesale and retail Hardware business. The capital stock is \$40,000.

has opened a Hardware store in the Landers block on Mosely Street.

Changes and Improvements.

Bellows Falls, Vt.—The senior member of the Hardware firm of Norwood & Field has left the firm and his place has been taken by John Lawrence.

Bloomington, Ill.—The final details of the purchase by G. H. Read & Bro. of the take possession. Hardware stock of Z. T. Miller & Sons, have been completed and the deal closed.

Boyer, Iowa-The Hardware firm of Reeck & Ryan will discontinue their business here.

ceed Stilwell & Von Arb.

Co. has purchased the heavy Hardware & Co. stock of L. E. Bolton.

out their business.

Hardware store of Leachman & Whitescarver, to Frank Edelen, of Parkersburg. The style of the firm will now be Leachman & Edelen.

Great Bend, Pa.—B. S. Galloway will discontinue the Hardware business.

Hartland, Me.-C. H. Smith has sold

Honolulu, H. I.—The firm of E. O. Hall & Son, Hardware and implement dealers, tract for a new building to be finished by the middle of March. The building will have sold out their Hardware business. cost \$60,000.

chased the stock of Hardware, glass, Jefferis. paints, oils, brushes, etc., of the late A. W. Malden, Mass.—C. S. Burgess, Audito- Rogers, and will continue the business at ware store is soon to be enlarged. the old stand, 105 Ferry Street.

Mansfield, O.-William A. Remy, of the Hardware firm of Remy and Bare Bros., located in the Purdy Block on South Main Street, has sold his interest in the business to his partners, F. A. and O. E. Bare, who have been associated in the firm for several

Muskegon, Mich.-The Hardware store of Fred J. Stulp, Third Street, which has been closed since the death of the former senior proprietor, J. F. Stulp, has reopened insurance, \$900. for business.

Milwaukee, Wis. - The Frankfurth Hardware Co. has begun the erection of its six-story building on West Water Street, between Clybourn and Sycamore The driving of piles for the Streets. foundation has been finished and the work of excavating has been concluded. Plans for the building are being drawn by Architects Jacobi & Wiskocil. The structure will be of stone and terra cotta, with lime stone foundations.

Natchez, Miss.-S. McDowell has tendered his resignation as a member of the Baker & McDowell Hardware Co., and Whitesboro, N. Y.-George Anderson assigns a press of business matters as his reason for resigning.

New Berlin, N. Y.—White & Pope, Hardware dealers, have dissolved partnership. The business will hereafter be carried on by Harry L. White.

Newville, Pa.—The Hardware store of Co. Revolvers. Thos. Myers & Co. has been purchased by F. Barr Swigert, Carlisle, who will soon

No. Abington, Mass.—B. W. Clark, the lery, etc. Hardware dealer has retired from business. Osnabrock, N. D.-Folker & Bennett, of Loss, \$300. Neche, have bought the Hardware stock and rented the building of Dr. D. P. Jame-Carrollton, Mo.—Stilwell & Rucker suc- son and will materially increase the stock. Parnell, Mo.—Roof & La Favor have Loss, \$250.

Des Moines, Ia.—The Des Moines Iron bought the Hardware stock of Crawford

Salina, Kan.—The first of the year the Findlay, O.-Kunz & Son are selling successful firm of J. N. Schwartz & Co. will engage in the wholesale Hardware Grafton, W. Va.—Captain George M. business for the purpose of doing a general Whitescarver has sold his interest in the jobbing business in Western Kansas. This change in business will not affect the organization of J. N. Schwartz & Co., as the firm will be composed of the same stockholders and will be under the same management.

> Sheboygan, Wis.-William H. Sprangers will retire from the Hardware business January 1.

Sisseton, S. D.-Carlberg Bros., Hardware merchants, have sold a half interest Hardware Co. has been incorporated for whose magnificent new building was in their store to C. H. Grant. The firm burned a few weeks ago, has let a con- name will now be Carlberg Bros. & Grant.

Tonkawa, Okla.-W. H. Aldrich & Co.,

Wilmington, O.-W. G. Talmage has Malden, Mass.-A. W. Rawles has pur- purchased the Hardware business of J. M.

Woodmere, N. Y .- F. K. Walsh's Hard-

Recent Embarrassments

Webster City, Iowa-F. L. Anderson, a prominent Hardware merchant of this city, has filed a petition in bankruptcy in the United States Court at Fort Dodge. Liabilities, \$13,000; assets, \$50,000.

Recent Fires.

Assumption, Ill. - Travis' Hardware

Butte, Neb.-John Story. Loss, \$2,000;

Eufaula, I. T.-J. Brundett. Loss, \$50,-000; insurance, \$23,000.

Franklin, Pa.—Frazier & Smith. Loss. \$25,000; insurance, \$12,000.

Grant, Mich.—Arthur Sanders. Loss. \$800.

Greenville, Miss.-Geisehood Hardware Co. Insured.

Jeffersonville, Ind. - Lindley & Carr. Loss. \$1,500.

Knox, Ind.-J. M. White.

Lafayette, La.-W. V. Nicholson. \$1.500; insured.

Neoga, Ill.-Walter Casstevens. Newton, Kan.-G. R. Follett & Co. South Onondaga, N. Y.—Earl Nichols.

Burglaries.

Colorado Springs, Colo. — John T. Clough. Loss, \$200.

Denison, Tex.-Hall-Leeper Hardware

El Paso, Tex.-Krakauer, Zork & Move. Loss, \$400.

Farwell, Neb .- James Lang & Co. Cut-

Tex.—Oatts, Stephens & Co. Hutto.

Independence, Colo.-Raymond, Wittenberger & Co. Loss, \$200.

Little Rock, Ark.-Foster Hardware Co.





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You may be sur

they are the best made. CARRIAGE VARNISHES. RAILWAY VARNISHES.

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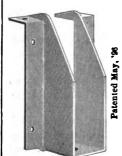
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Willoughby, Ohio.

KEKKEKEKEKEKEKEKEKEKEKEKEKEKEKEKEKE HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers over the country, are requested to contribute to this page. News of new factories or companies, cha improvements, etc., will be gladly received, and promptly published.

New Incorporations, Etc.

Berkeley Springs, W. Va.-The Berkehas been chartered, with a capital of \$25,-000, to establish a plant at Berkeley Springs, W. Va. George W. Biser is pres-

Chicago, Ill.—Inland Tool and Mfg. Co. has been incorporated; capital stock, \$25,-000. Incorporators, Herman Heinebach, Theodore A. Stupe and William A. Raw-

Ellisville, La.—The Jones factory for the manufacture of side harrows and plow stock has begun operation. This is a \$6,000 plant.

Fostoria, O.-Fostoria's newest manufacturing concern is the Fostoria Draw Cut Shear Works. The shear is manufactured under a patent, and a part of the Jacobs foundry on Perry Street has been leased and fitted up as a foundry.

Galesburg, Ill.—Galesburg Planter Co. has been incorporated; capital, \$25,000; manufacturing agricultural implements. Incorporators, Abraham Anderson, S. H. McComber, J. P. Evans.

Tool Co. has been incorporated; capital, The incorporators are K. K. \$125,000. McLaren, C. W. Perkins and Augustus S. Meeker.

Jersey City, N. J.-Another new industry which has just identified itself with this city is the Spiral Riveted Tube Co., of which John A. Wilbur, of New York City, a two-story brick factory adjoining the merly of Windsor Locks. present building at a cost of \$5,000. The new building will be used as a shipping department for spiral pipe.

La Porte, Ind.—The Farmers' Mfg. Co., manufacture and deal in farm and household supplies. The directors are William E. Crichton, David C. Anderson, Jay D. Parkinson, R. T. Van Valkenburg and John L. Parkinson.

Los Angeles, Cal.—The Killefer-Griffith Mfg. Co. has been incorporated for the purpose of manufacturing and dealing in buildings, and will enable the company to agricultural implements and other machinery. It has a capital stock of \$25,000. The directors are: E. C. Griffith, Pasadena; John Killefer, Charles Killefer, Robert Killefer, Fred Killefer, Los Angeles.

New Castle, Pa.—The New Castle Forge & Bolt Co. has just been formed here, with a capital stock of \$75,000. The board of directors is composed of Frank Ryman, of Pittsburg, C. J. Roberts and A. B. Wheildon, of Ellwood, W. H. Cox, C. J. Kirk and J. N. Martin, of this city.

manufacturing Hardware novelties. In- railroad plows, etc. corporators, S. A. Knoft, J. W. Krigler, C. A. Dennis.

Co., has been organized in this city to han- be devoted entirely to the manufacture of ley Springs Shovel Stamping and Tool Co. dle the Common Sense bolt and nut locks stoves. Twenty-five thousand dollars of patented by H. Clay Jordan in all their, paid up stock is to be put into it, and a applications, to railroad equipment, bridge new company formed, which will be closely building, vehicle axles, agricultural ma- identified with the above company. It is household furniture. The company is in- merly occupied by the car wheel company corporated with a capital of \$200,000. The and to have a leading stove manufacturing officers of the company are, Geo. N. Gilson, president; H. Clay Jordan, vice-president stoves will be turned out by the new comand general manager; Geo. B. Cole, treasurer, and W. Pope Jordan, secretary.

> Waycross, Ga.—Sampson Harrell and T. J. Mills, of Whigham, and W. W. Ansley, of Waycross, have formed the Sampson Harrell Nut-Lock Co. for manufacturing a patent nut-lock.

West Warren, Mass.—The Crossman Edge Tool Co. has perfected organization and the company will be incorporated under the laws of this State with a capital of \$7,000. Work will be immediately begun in preparation for resuming work at the plant, which is located near the West Warren station on the Boston and Albany Railroad. The following officers were elected: President, Caspar Ranger; clerk and sec-Jersey City, N. J.-National Automatic retary, William E. Bosworth; treasurer, John T. F. MacDonnell; superintendent and manager, Amory Crossman; board of directors, Amory Crossman, Caspar Ranger, Dennis F. Cleary, William Reardon, Patrick J. Kennedy, John J. Burke and Jacques Bouthillier.

Windsor, Conn.—This town is to have a new industry in the Star Meat and Food is president. The new company will build Chopper Co., managed by John Cook, for-

Changes and Improvements.

Chicago, Ill.-J. McGregor Adams, president of the Adams & Westlake Co. and the which has been capitalized at \$30,000, will American Stove Board Co., is having plans and specifications prepared for a large factory building to be erected on property adjoining the present site of the American Stove Board Co.'s works, which is located at the corner of Sixteenth and State Streets in Chicago Heights. The building will be nearly double the size of any of the present greatly facilitate its work, as well as to give employment to several hundred additional workmen.

Granite City, Ill.—The American Wire and Nail Co. are replacing new machinery and making other improvements in their plant in this city.

Horseheads, N.Y.—A new office is being constructed by the Weller Hardware and Foundry Co.

Kansas City, Mo.-W. J. Smith & Son, will erect a \$50,000 factory and warehouse.

Normal, Ill.—Normal Novelty Works This will be an addition to the plant for has been incorporated; capital, \$50,000; making wheel scrapers, wheel-barrows,

Knoxville, Tenn.—The expansion of the Southern Foundry and Machine Co. will Seattle, Wash.—The Jordan Nut Lock take on the form of a new organization to chinery, automatic tools, door knobs and the intention to use the entire building forindustry in the South. All grades of pany, the formal organization of which is expected to take place in the next few days.

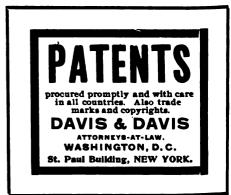
> Lancaster, Pa.-E. T. Fraim, lock manufacturer, has purchased the entire lock and Hardware departments of the Union Lock and Hardware Co., situated at the end of South Prince Street. About 100 men were employed by the Union Lock Co., in their lock and Hardware departments, almost all of whom will find employment at the Fraim works.

Lebanon, Pa.—Application is to be made for an amendment to the charter of the Hardware and Foundry Co., on Seventh Street, to change the name to The Buchanan Foundry Co.

New Britain, Conn.—The factory building to be erected by the Stanley Rule and Level Co., on Church Street, will cost about \$5,000. The dimensions are 45x45 feet.

Norristown, Pa.-J. F. Stucker & Co., architects, have just completed plans for a three-story factory to be erected for the Clipper Lawn Mower Co., Inc. The proposed building is to measure 40 by 50 feet, and be built on the mill construction plan with walls of stone.

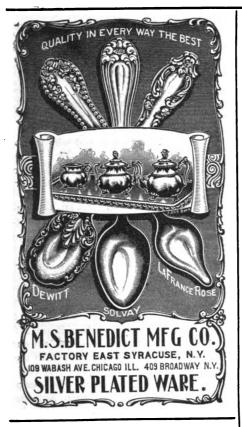
Peoria, Ill.—The Culter & Proctor Stove Co. are enjoying such a big business that they find their plant entirely too small. They have awarded a contract for the addition of another story to their plant at the corner of Water and Fayette Streets. Work will be commenced at once and will be rushed through to completion as soon as possible. The work will cost in the neighborhood of \$10,000.



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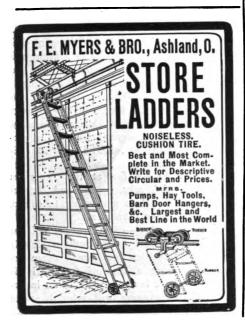


Elizabeth, N. J.

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Samples and Catalogue free. Standard Caster & Wheel Co., 312-326 East 23d St., New York.





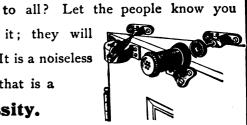


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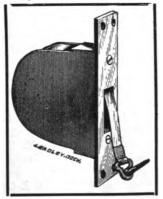
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BICYCLE AND SPORTING GOODS RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Goshen, Ind. - Fred Watterson and Fred Nickum have formed a partnership under the firm name of Watterson & Nickum and have leased the bicycle repair outfit and business of Chas. Bemenderfer for six months, with the privilege of purchasing it outright at the end of that period. They have taken possession and will occupy the basement of the Bemenderfer Building on North Main Street, thus conducting the business as before.

St. Augustine, Fla.-H. and W. Lillywhite, Granada Street.

Webster City, Ia.—Articles of incorporation have been filed with the Secretary of State by the Neff Handle Bar Co. The capitalization is \$5,000. The incorporators are A. Closz, C. F., D. G., A. R. and W. E. Smisor, and Charles Closz.

Changes and Improvements.

Butler, Ind.—The Butler Co. has discontinued the manufacture of bicycles.

of the new Victor bicycle is being discon- the plans for which were prepared some tinued by the J. Stevens Arms and Tool time ago. The new buildings will consist Co. The company needs the room and ma- of a structure on Winchester Avenue and

has closed.

phonographic stock of Anderson & Eber- ture, on Division Street, and will be used hart.

Goffstown, N. H.-The bieycle repair on Main Street has been removed to Depot tions. Street in front of the Boston and Maine Railroad station.

Great Barrington, Mass.-C. E. Cross has disposed of his bicycle business to side of King Street, at a cost of \$30,000. Frank Minkler, of Lenox, for \$200.

Co. have rented the store in the Kay Block De Vaux, in the East Side cycle store. formerly occupied by H. Orblendorfer, and taken possession.

ardson, of the City Cycle Store of Cortland.

Middletown, Conn.—The Fischer Motor Vehicle Co., of Hoboken, N. J., has purchased the plant of the Worcester Cycle Co., and is to manufacture hereafter.

Moline, Ill.—The stock of Skinner & Co., proprietors of the sporting goods store on Market Square, has been sold and the firm retires from the business.

New Haven, Conn.—Bids have been submitted to the Winchester Repeating Arms Chicopee Falls, Mass.—The manufacture Co. for the proposed addition to their plant, chinery for the new automobile department. Mason Street, about 60x200 feet, three Conneaut, O.—The Chapman Cycle Co. stories high, connected with the adjoining building by a bridge and tunnel, and will Dayton, O.—Niehaus & Dohse, of 35 be used in the wood-working department. East Fifth Street, have bought the entire The other building will be a frame struc- clay Street. Loss, \$300.

as a loading-room.

Reading, Pa.-The American Bicycle shop situated between the two Paige blocks Co.'s plant, 8th and Elm, has ceased opera-

> Toronto, Ont. - The Canadian Kodak Co. will build a four-story stone and brick factory near Portland Street, on the south

Toledo, O.-Charles De Vaux has pur-Herkimer, N. Y.—The Herkimer Cycle chased the interest of his brother, Norman

Embarrassments.

Homer, N. Y.—Quick & Radway have Kenosha, Wis.—The Badger Brass Mfg. sold their bicycle business to E. B. Rich- Co. have added "squawkers," or automobile horns, as they are now termed, to their line of manufacture.

Providence, R. I.—Horace P. Coleman. doing business as the Coleman Auto and Cycle Co., Providence, R. I., has filed a voluntary petition in bankruptcy in the United States District Court. His liabilities are \$2,232.92 and his assets \$500.

Springfield, O.—The Thomas Mfg. Co. has discontinued the manufacture of bicycles and will confine itself to making agricultural implements.

Burglaries.

Birmingham, Ala.—Birmingham Arms & Cycle Co. Loss, \$500.

Louisville, Ky.—Prazoff & Co. Loss.

Recent Fires.

New York, N. Y.-Louis Levy, 4 Bar-

HARDWARE MANUFACTURERS RECORD. Continued.

Changes and Improvements.

Philadelphia, Pa.-Plans have been finished for a new building at the Henry Disston Saw Works, at Tacony. drawings, which have been submitted to the Bureau of Building Inspection for approval, provide for a two-story brick and iron building, 35x200 feet, to be used for file cutting machines.

Providence, R. I.—The Eastern Bolt and Nut Co., which a short time ago was exempted from taxation by the town council, has started its new factory on Massasoit Avenue, one story being already erected. It is expected that the factory will be running by the beginning of the

Quincy, Ill.—The foundation for the big addition to the Excelsior stove foundry on Front Street is all in and the brick work of the present main building of the company, and 270 feet long. When completed it will represent an outlay of almost B. Martin, Emmett C. Baxter, R. B. Max- cently, entailing a loss of \$500. It is

along the river. Good progress is being R. B. Maxwell, vice-president; Emmett C. made.

Miscellaneous.

Belpre, O. - A meeting of the stockholders of the Edge Tool and Casting Co. was held recently and the following directors elected: J. G. Cochran, of Parkersburg, and T. W. Jackson and B. F. Hazlerigg, of Belpre.

Cincinnati, O.—The stockholders of the Xylotite Mfg. Co., at the annual meeting chinery, \$1,500 on the shop and building. held recently, elected as directors for the ensuing year John H. Hibben, Captain J. D. Parker, W. J. Overeck, Dr. A. B. George H. Swift and John A. Hasbrook. The board organized by the election of John H. Hibben as president, W. J. Over-George Swift as general manager.

Mansfield, O.—At the annual meeting of is well under way. It is the same width the stockholders of the Monarch Stove and Mfg. Co., the following board of direc- Francisco, owned by the Southern Handle tors for the ensuing year was elected: A. Co., of Huntsville, was burned down rewell, B. A. Baxter, Edwin D. Baxter, L. J. thought to have been the work of an incen-Reading, Pa.—The Penn Hardware Co. Bonar, J. C. Laser. The board organized diary. The company will rebuild at an is building a 5-story annex to its large plant by the election of A. B. Martin, president; early day.

Baxter, secretary and general manager, and B. A. Baxter, superintendent.

Recent Fires.

East Hampton, Conn.—The factory of the Watrous Mfg. Co., manufacturing bell toys and bells, has been burned. John L. Watrous, the head of the concern, estimates the loss at \$8.000 The insurance is \$2,000 on the stock, \$1,600 on the ma-

Paterson, N. J.—The hammer and machine shops of the Paterson Steel Forge and Iron Works, were burned recently. Thrasher, G. E. Shaw, Francis X. Pund, One hundred men were thrown out of employment by the fire. The loss is estimated at \$100,000.

Reading, Pa.-A fire at the American beck, secretary, J. D. Parker, treasurer, and Die and Tool Works, Second and Buttonwood, caused a loss amounting to \$1,000, partly covered by insurance.

Scottsboro, Ala. - The handle mill at

The GEM NAIL CLIPPER CUTS, CLEANS,



Mounted 12 on card like the illustration.

They make an attractive show and sell like hot cakes.

SAMPLE BY MAIL, 25 CENTS. IT IS A PRACTICAL MANICURE.

Perfect for removing hang nails. Send for circular and prices. H. C. COOK

ANSONIA, CONN.

AT THE FRONT The Morrow Goaster Brake.

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Bicycle, Sleigh, House, Hand, Trip and Rotary Door

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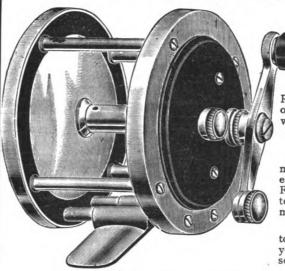
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In Rings, Pins and Studs, \$1.00 each. Ear-rings \$2.00 per pair. Mail orders filled rings \$2.00 per pair. Mail orders filled promptly upon receipt of price. Order now.



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Brass, Nickel, German Silver and Rubber, suitable for all kinds

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40, 60, 80, 100, 150, 200, 250, 300, 350 Yards.

The foreman of this department has had 25 years experience in the manufacture of Fishing Reels, and we guarantee our goods the finest in the market.

Prompt Shipments. Be sure to get our prices before placing your orders for the coming season.

THE ENTERPRISE MANUFACTURING CO.,

Largest Manufacturers of Fishing Tackle in the United States, AKRON, OHIO.

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OR SMOKE

The Cheapest, Best and most Profitable on the market. Write for prices.

Favorite Novelty Co., 139 Beaubien St., Detroit, Mich.



HEATING MILK FOR THE BABY.

The Repeating ARRIOR AIR RIFLE.

THE BOY'S FAVORITE.

A NEW GUN.

METAL PARTS STEEL—INTERCHANGEABLE.

WALNUT STOCK, FINELY FINISHED. IT'S A PERFECT GUN AND AN EASY SELLER.

J. A. DUBUAR MFG. CO.,

Northville, Mich.

SOLD EVERY WHERE BY EVERY BOD

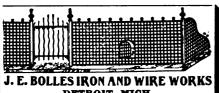
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Prison, House and Stable Work; **JOIST** HANGERS: LAWN FURMITURE: FENCINO, ETC. VAN DORN IRON WORKS CO..

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J. L. PERKINS & CO., 239 Lake Street, CHICAGO.



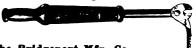
The POSITIVE EXPANSION BULT. D. C. SEAMAN & CO., 1688 Hutchinson Street, Philadelphia, Pa

HEAL & BRIFFER, 18 WORTON St., E. T.
JOHN SHEEDS, 10 Contro St., E. T.
SOMERS, FILER & CLARKE, 532 Water St., Fibility

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SHBARS,

Steel Laid and Hard Cast, in great variety. Nail Pullers, Screw Drivers, Plyers Wire Cutters, etc. Metal Goods of any kind to order on large contracts.



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improvement. Less friction. Can be rom a roller to a three-wheel cutter. els in the handle. Send for catalog. TRIMONT MFG. CO., Roxbury, Mass., U.S.A.

A WHOLESALE HOUSE

Wishes to communicate with manufacturers of Tools for regular deliveries for Cash. Apply

> E. NEWBORGH & CO.. 46 Southampton Buildings, London, W. C.

Hardwaremen's Exchange.

Notices of HELP WANTED or SITUATIONS WANTED will be inserted in this column free of charge. Should not exceed Four Lines.

ALL OTHER NOTICES, twenty-five cents per line.

Help Wanted.

ENTRY CLERK.—Good man for billing, who has had experience in this line, and knows the pump and pipe business. Address THE GOULDS MFG. Co., Seneca Falls, N. Y.

PACTORY SALESMAN.—Experienced factory salesman acquainted with Hardware jobbing trade. Must be first class. State references when applying. Address The Admiral Lamp Co., Maiysville,

HARDWARE SALESMAN.—A salesman acquainted with the wholesale and large retail Hardware stores of the United States and Canada, to sell specialties in Builders' Hardware and Refrigerator Trimmings. Address, stating age, experience, salary expected, and references, Brass Goods, care Hardware, 275 Broadway, New York.

Situations Wanted.

A FIRST-CLASS ACCOUNTANT, book-keeper and cashier, under-A standing office work in every particular, desires to connect himself with some house, where integrity and strict attention to business would meet with fair compensation. Address P. P. P., care HARDWARE, meet with fair compensation. 275 Broadway, New York.

Situations Wanted

A SSISTANT BUYER or ACCOUNTANT,—Young man (23) with long experience in Hardware and marine business, desires a position with a large concern where by strict attention to business he may receive ent. A I references. Address Accurate, care HARDWARE, advances 275 Broadway New York. 273

BLACKSMITHING.—Young man, 19, would like to learn black-smithing. Address James White, 159 Chrystie Street, New York.

BOOKKEEPER.—Man (28) well educated, desires position in any State; neat and accurate; knows Hardware business thoroughly. Address Paul Fugler, 387 South Ave., Bridgeport, Conn. 267

BOOKKEEPER AND SIGN WRITER.—Man, 32 years of age, with nine years' practical experience in retail Hardware as clerk and buyer, At double entry bookkeeper and sign writer, wants like position. First class reference. Address S., care HARDWARE, 275 Broadway, New York.

BOOKKEEPING AND GENERAL OFFICE WORK. -Voung man, with a thorough knowledge of French and German, and English as well, thoroughly acquainted with foreign trade, bookkeeping and general office work, six years' experience in machinery and Hardware business in France and Germany, desires position.

Address M. E. S., care HARDWARE, 275 Broadway, New York.

BUILDERS' HARDWARE SALESMAN.—Hustling young man, thorongoliv familiar with Builders' Hardware, and prices of same, thoroughly familiar with Builders' Hardware, and prices of same, now with large manufacturers in New York City, desires a change. Address HUSTLER, care HARDWARE, 275 Broadway, New York. 268

BUYER, MANAGER OR SALESMAN.—A gentleman of 38 with a creditable business career of 20 years in Hardware, House Furnishing, Paints, etc., seeks position. Address S. F., care HARDWARE, 275 Broadway, New York.

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Situations Wanted

EXPERIENCED BOOKKEEPER is open for engagement. Has knowledge of general office work; also Hardware and Gas business. Address BOOKKEEPER. 55 Dupont Place. Johnstown. Pa. 190

EXPERIENCED HARDWARE CLERK.—Young man 27 years of age desires position with Hardware firm. Twelve years experience as clerk and salesman, both retail and wholesale. Salary moderate. Address H. T. B, care HARDWARE, 275 Broadway, New York.

FOREMAN.—Experienced in stock, packing and shipping departments of manufacturing concern. Can give good references.

Address F. P. R., care HARDWARE. 275 Broadway, N. Y. 235

FOREMAN OR TIMEKEEPER —Situation wanted by a man (32) as foreman or timekeeper. A hustler; can handle any hind of help; thoroughly posted on piece work system; 12 years' reference from last place. Address J. H. L., care HARDWARE, 275 Broadway, New York.

HARDWARE ASSISTANT—Young man, now as assistant buyer by well-known Hardware concern, desires position in same or similar capacity where there is room for advancement. Address S. R. S., care HARDWARE, 275 Broadway, New York.

HARDWARE CLERK OR MANAGER.—By a capable Hardwareman as clerk or manager in retail store. Ten years' experience in Builders' and Heavy Hardware, Mill Supplies and Paints. Address R. H. R., care HARDWARE, 275 Broadway, New York. 278

HARDWARE SALESMAN OR BUYER.—Young man desires position as salesman or buyer. Seven years' experience in importing and jobbing Hardware house. First class reference furnished. Address Y, care HARDWARE, 275 Broadway, New York. 211

HARDWARE SALESMAN of 14 years' successful experience, as direct representative for leading manufacturer to jobbers throughout the country, will be open for engagement after January 1. Highest references. Address SALARY, care HARDWARE, 275 Broadway, New York

HARDWARE SALESMAN.—German, to visit the retail trade in city and nearby towns. Commission or salary and commission. Address George Burckner. 227 E. 87th Street. New York. 216

HARDWARE CLERK.—Wanted by a young man with experienceposition as clerk in Hardware store. Has also had three years'
experience at plumbing. Willing to work at it part of the time. Address
Robert Craig 77 E. Columbia St., Detroit, Mich. 216

LACQUERER—Thoroughly experienced in iscquering and the manufacturing of lacquers of all kinds, desires a position and can furnish the best of references. Address G. A. W., care HARDWARE, 275 Broadway, New York.

MACHINERY SALESMAN.—Experienced man wants to represent special or general machinery and supplies, to establish New York office, or travel and install. Address Edwards, care H. Mfg. Co., 121 Front Street. New York.

OFFICE MANAGER AND CASHIER.—A position desired as office manager and cashier by a young man with twelve years' experience. First-class references—security given, if desired. Address S. J. N., care HARDWARE, 275 Broadway, New York.

PAINT AND WALL PAPER SALESMAN.—Situation wanted by a young married man, perfectly familiar with the details of the paint and wall paper trade. Address or call. Charles P. Lundquiste, 83 Third Street, Brooklyn, N. V. 208

STORE MANAGER.—Position as manager or assistant manager in a retail Hardware store by a young man 24. Has had seven years' experience in Hardware, is thoroughly familiar with jobbers' prices. Would prefer position in a good, lively town in New York or Pennsylvania. At references. For further particulars address Manager, Box 106. Little Falls, N. J.

STORE OR TRAVELING SALESMAN.—Middle age, strictly temperate, experienced in retail Hardware, stoves and mill supplies. Competent to manage a business. Road experience in oils, mill supplies and other lines. Address H. K. F., care HARDWARE, 275 Broadway, New York.

Side Line Offered.

RUBBER GOODS AS SIDE LINE.—Liberal terms to salesmen visiting Hardware and Machinists' supply trades. Address stating territory Hose, Belting &c., care Habdware, 275 Broadway, New York.

Side Line Offered.

GOOD CHANCE for Hardware salesman to sell the "Argand" Lamp as a side line; liberal commissions. Address Argand Vapor Lamp Co.. Detroit, Mich.

HARDWARE SALESMEN.—To handle as a side line our labor-saving device, advertised elsewhere in this issue of HARDWARE, Liberal commission to good men. We furnish free to our agents a perfect working model, pocket size, which will lift 500 pounds. Address. Dept. C. Burr Mfg. Co., Cleveland, Ohio.

TRAVELING SALESMAN.—A young man, hustler, sober and reliable, would like to represent some manufacturer or well known jobber of cutlery in the States of North and South Carolina and Georgia. Salary no object. Very best of references. Address ROBERT, P. O. Box 262, Raleigh. N. C. 206

TRAVELING SALESMEN.—Large profits offered to traveling salesmen visiting factories to handle our improved patented Circular Saw Clamp as a side line. Address Fernside Mfg. Co., 78 Pearl St., Hartford. Conn 264

For Sale.

A BARGAIN.—Nice. clean stock of Hardware, Housefurnishing goods, Stoves and Ranges, with Sheet Metal business and tools. Splendid location; heart of the city; best town in the State of Ohio. Will sell at invoice—fixtures as well—want to go into the manufacturing business. Will sell store stock separate from shcp, if desired. Write at once, J. B. C., care of HARDWARE, 275 Broadway, New York.

Ad. Writing.

Do You Write Ads? SEND TODAY FOR INVALUABLE INFORMATION—FREE HARPER SYNDICATE, Columbus, O. FREE

Agency Offered.

LIVE HARDWAREMEN.—We would like to hear immediately from a few live Hardwaremen who would like to be sole representatives in their towns, of a concern that is in the market for business, and have a line made for "men now on earth"—a modern line THAT CAN BE SOLD to your customers. Address "Box 88," care HARDWARE, 275 Broadway. New York.

Business Opportunity.

GERMANY.—Hamburg Commission House, visiting the wholessite Hardware merchants throughout the greatest part of Germany, wishes to correspond with manufacturers of suitable articles. Highest references Apply to U 6452, care HRINR. EISLER, Hamburg.

Export Business Wanted.

A HARDWARE MAN with a complete knowledge of the Hardware commission business in New York, backed by a number of years' experience in the same, handling American goods, wishes to represent several leading manufacturers. Intends opening an office in New York City for home and export trade. Has been abroad a number of times and possesses established connections for export business. Thoroughly familiar with trade in New York Boston and Philadelphia, and would be willing to make arrangements either on salary or commission, Address Export Trade, care Hardware, 275 Broadway, New York.

Hardware Buyer.

A THOROUGH BUSINESS MAN familiar with Hardware and other manufactures, and having had many years experience in the business, desires to represent # few firms as resident buyer on salary or commission. Conversant with the details of export business, having visited Europe frequently. Address F. Buyer, care Hardware, 275 Broadway, New York.

Mail Order Specialties.

LIGHT HARDWARE SPECIALTIES WANTED for a mail order business. Address Tue Mills Co., Cleveland, Ohio, 247

In Exchange for Hardware.

A GENTLEMAN has a first-class residence in a growing city he will exchange for Hardware. Distance from New York City, 14 miles. Private residences only in the vicinity of this property. First-class train service. For further information address C. W. J., care HARDWARE, 275 Broadway, New York.

Barrett's Glass Cutters Standard Barrett's Practical Glass Cutters are the standard the world over. Sold by more Hardware Dealers than all

other makes combined. Send for prices and sample. W. L. BABRETT, Manufacturer, Bristol, Conn., U. S. A.



WRITE FOR QUOTATIONS



Mention "Bardware."

THE CLARK MFG. CO., Buffalo, N.Y.

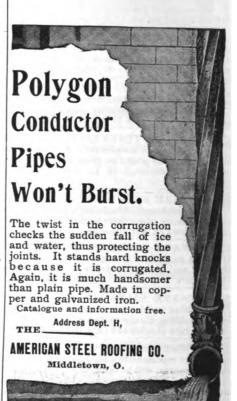
Lull & Porter, O. S.

BUFFALO REVERSIBLE

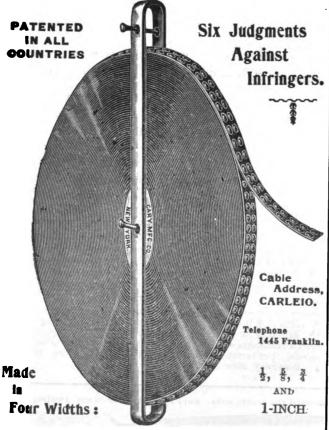
SHUTTER HINGES

-AND-

CLARK'S SURFACE BLIND HINGES, GATE HINGES, SASH PULLEYS, SPRING HINGES, CAST DOOR BUTTS, STOVE PIPE DAMPERS, ETC.



CARY'S UNIVERSAL BOX STRAP.



CARY MANUFACTURING

19 and 21 Reosevelt St., New York.



Adzes-

PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to the independent of our paper worthy of their constant attention.

make this department of our paper worthy of The list prices, from which discounts ar the dealer upon request, by the manufactures

Adzes-	D
House Carpenters, Ogden's	••
Ammunition—	
CAPS, PERCUSSION—\$ 1000—	
U. M. C. Co., trimmed edge	C
Musket, Waterproof, 1-10's60c	C
G. D	C
CARTRIDGES-	3
Rim Fire Cartridges	8
Rim Fire Military 15% Cent. Fire, Pistol and Rifle 25&5% Cent. Fire, Military and Sport-	
Cent. Fire, Military and Sport-	1
cent. Fire, military and Spot ing	_
Primed Shells and Bullets 15&5%	1
B. B. Caps, Round Ball25&10% B. B. Caps, Con. Ball, Swgdnet	ъ-
PRIMERS—	Du
Darley Delmann M	Dt]
B. L. Caps (for Sturtevant Shells)5% All other Primers	•
SHELLS— First quality, 4, 8, 10 and 12 gauge25%	
First quality, 4, 8, 10 and 12 gauge 25% First quality, 14, 16 and 20 gauge, 27, 50	
Wer Club New Rival and Climax	
brands, 10 and 12 gauge	
Nitro	
High Ball	
Nitro	
Brass Shot Shells, Club, Rival and	
Chmax	
SHELLS, LOADED-	
"New Club," Black Powder	
** Smokeless " Nitro Powder,	A
"Acme," Dense Nitro Powder, 40&10&10&5	
40&10&10&55 "Trap," Nitro Powder40&10&10&55	P
eun wads-19 1000-	
A E 11 m	
B. E., 11 up	В
B. E., 11 up	B
B. E., 11 up	B C P
B. E., 11 up	B C P P R
8. E., 11 up. \$.60 B. E., 9 & 10	B C P P
8. E., 11 up. \$.60 B. E., 9 & 10	B C P P R
8. E., 11 up	B C P R R
8. E., 11 up	BCPPRR P""
8. E., 11 up	B C P P R R
8. E., 11 up	BCPPRR P""
B. E., 11 up	BCPPRR P""
8. E., 11 up	BCPPRR P""
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B. E., 11 up	BCPPRR P:::
B. E., 11 up	BCPPRR P:::

of their constant attention. To given, will always be furnished
or quoted.
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in kegs,
614 b 1.20
in kegs, 25 b
"V. G. P." for Trap Shooting, in kegs, 64 fb
kegs, 25 b
Choke Bore, Nos. 5 and 7, in kegs, 614 b
Choke Bore, Nos. 5 and 7, in kegs, 25 b
Mining and Blasting Powder,
(A), C, F, FF, FF, 122, in kegs, 25 b
in kegs, 25 b
Powder: Kegs, equal in bulk to 25 h Black Powder
1214 b Black Powder 11.25 Quarter kegs, equal in bulk to
614 B Black Powder 5.75 Canisters, equal in bulk to 1 b Black Powder 1.00
Canisters, equal in bulk to 1 to Black Powder
Du Pont Smokelees Rifle Powder No. 2, equal in bulk
Powder No. 8, equal in bulk to 1 b Black Powder 1.00 Du Pont U. 8. 30 Calibre Smokeless Rifle Powder,
per b
PETERS PRIMERS— All Primers\$1.10-1.1214
CARTRIDGES—
Peters Blank Cartridges: .32 C. F., \$5.50
.22 cal. Rim, \$1.50
B. B. Cape, Round Ball. 1.19-1.18 Central Fire
Primed Shells and Bullets15&5%
Rim Fire Sporting
Peters Ideal, 10 and 12 gauge 383/6±10% • New Victor, 10, 12 and 16 gauge 15% • Quick Shot, 10, 12 and 16 gauge 25.25% • League, 10, 12 and 16 gauge 25.25%
PETERS SHELLS—LOADED (BLACK POWDER)
Peters League, 10 and 12 gauge 40 & 5% "Quick Shot, 10, 12 and 16 gauge 40 & 5% Loaded with (Semi-Smokeless
Powder). Peters Referee, 10, 12and 16 gauge 40 & 5% Loaded with (Smokeless Powder).
Powder). Peters Referee. 10,12and 16 gauge 40&5% Loaded with (Smokeless Powder). Peters New Victor, 10,12 and 16 gauge
GITN WADS-
Peters B. E., 9 to 10
9&10
9&10
** White Elastic, % in., 125 in a box. 8\$4.00 9&10
** White Rissutc, 75 III., 120 III & 50.4. 8
9&10
** Card Board, per 1,000: 8
11 to 2018c

* Nitro card: 8	887
FOWDER— King's Smokeless (Shot-gun), Kegs (25bs bulk)	8
King's Smokeless (Rifle), Half Kegs (1214the bulk)	E
King's Semi-Smokeless, Keg, 25hs bulk	8 2 8
1 b Can, bulk	8
Quarter Kegs, 614bs	4
Animal Pokes— Iowa Farming Tool Co.: \$\psi \text{dos.}\$ Hawkey \$\lambda \text{33.25}\$ Western \$\lambda \text{8.75}\$]
Anti-Rattlers— Fernald, Wire]
Gem	1
Steel Drive	
Amvils— American "Horse-Shoe" 94c Armitage's Mouse Hole 94c Cincinnati 55&10 Eagle Anvils, \$\mathbf{Y}\$ b 9c 15\omega15&5c Hay Budden, \$\mathbf{W}\$ rought 94c Peter Wright's 94c Samson' 40&105 Trenton 9c	
Hay Sudden, Wrought 98(2010) C Peter Wright's 98(2010) C Samson' 40&10; Trenton 9c ANVIL AND VISE COMBINED—	
Chency Anvil and Vise	
Augers and Bits	
Augers and Bits— Boring Machine	
No. 10 Extension Lip Car Bits	
Jenning's Pattern Auger Dits, 50@50&10%	
Jenning's Pattern Car	
HOLLOW AUGURS— Ames	
Cincinnati Nos. 1, 2 and 8	
Universal, each \$4.50	
C. E. Jennings & Co	
DOUBLE CUT GIMLET BITS— Common	
C. E. Jennings & Co	
Snell's Bell Hangers	.
Cleveland Wood Bits for Brace. 50&10; Detroit	
Syracuse, for wood	
Cleveland	5

Nitro card:	8tandard Oil Tube Drills
11 to su	W. & B. Universal Self-Olling10% SHIP AUGERS AND BITS— L'Hommedieu's
ing's Smokeless (Shot-gun), Kegs (28bbs bulk)	Snell's
Canister (1b bulk) 1.00 ing's Smokeless (Rifle),	Awl and Auger Handles— See Handles
Half Kegs (121475 bulk) 11.25 Quarter Kegs (61475 bulk) 5.75 Canister (115 bulk) 1.00	Awls— Handled Brad40&10s Handled Scratch40&10s
ing's Semi-Smokeless, Keg. 25hs bulk	Patent Peg. 50% Sawing Com 88c@\$1.00
Half Keg, 1214bs bulk. 5.25 Quarter Keg, 614bs bulk. 2.75	Shouldered Peg50% Shouldered Brad50%
1 b Can, bulk	Socket Scratch # doz\$1.00 Stanley Rule & Level
Kegs, 25 bs 4.00 Half Kegs, 1214bs. 2.25	Handled Scratch
Quarter Kegs, 61410s 1.25	Awl and Tool Sets-
1/2 D Can (24 in case)	Aiken's Awls and Tools: No. 10, \$2 dos. \$7.50; No. 20, \$2 dos.
Animal Pokes-	\$10
owa Farming Tool Co.: \$ doz. Hawkeye \$ 3.25 Western \$.75	No. 49, \$10.50; No. 48, \$12.5070% Fray's Adj. Tool Hdls., Nos. 1, \$12;
Anti-Rattlers-	2, \$18; 8, \$12; 4, \$9; 5, \$***********************************
ernald, Wire50&10%	Nos. 1, \$12; 2, \$12; 4, \$12; 5, \$18.
em	C. E. Jennings & Co.'s Adjustable Tool Handles
teel Drive. Cohler's: 9 gro. Invisible, No. 3 \$8.00 Perfect, No. 2 7.00 Bolt Holder, No. 1 9.00	Stanley's Excelsior, No. 1, \$7.50;
Perfect, No. 9	Axes—
Anvils—	First anality heat brands\$6,50@7.00
American "Horse-Shoe"	First quality, other brands6.00@6.50 Beveled, add Ec. \$\ doz.
Armitage's Mouse Hole	HATCHETS— Hunt's, Underhill's or Blood's40&10%
Hay Budden, Wrought94(2010)4c	Peck's:
renton9c	Empire Brand 505105 D. Simmons & Co.:
	Broad Shingling and Claw
Theney Anvil and Vise	
Augers and Bits-	Broad 40&10x Broad 40&10x Shingling, Claw, etc. 40&10x Handled Axes. 40x Boys 50x
Boring Machine	Boys50g
C P Jennings & Co.:	Axle Grease— Dixons' "Everlasting":
Double Spur pattern car, No. 8050% Nobles Double Spur, No. 8250&10%	1-10 DOX25
No. 10 Extension Lip	20-b pail \$1.90 25-b keg 2.75 50 b keg 5.00
	50 b keg 5.00
Ring Augers	Phetillon's:
Swan's: Jenning's Pattern Auger Bits, 50@80&10s	Light, Class A
Tonning's Pattern Car	Ice Balances, Class B
Jenning's Pattern Machine	Balances, Sash—
HOLLOW AUGERS—	Pullman's 50&10@60\$ Barn Door Hangers—
Ames	See Hangers.
Cincinnet Nos 1 9 and R 20/6/10%	Barrel Drainers— National80s
Douglass'	Beef Shavers— Enterprise:
History & Augustatic # 25&10% Millers Falls, Goodell # 15&774% Swan's # 20% Universal, each \$4.50. 20%	Japanned, each, \$7.50 25@30s Tinned, each, \$9.00 25@30s
Universal, each \$4.50	Bells—
C P Tonnings & Co88344	HAND— Extra Heavy Brass
Clark's small, \$18	Light Brass
Swan's50&10% DOUBLE CUT GIMLET BITS—	Silver Chime
Common	DOOR— 40%
Mayhew's Diamond & doz. \$1.2040% Swan's	DOOR— 40x Alarm, Abbe's 40x Alarm, Yankee 50x Gong, Abbe's 40x Gong, Yankee 50x Lever, R. & E. Mfg. Co.'s 50&10x Multi-Stroke 40x
C. E. Jennings & Co	Gong, Abbe's
Ladds . 60&10% Maybew's . 40&10% Snell's . 40&10% Snell's Bell Hangers . 50%	Lever, R. & E. Mfg. Co.'s50&10% Multi-Stroke40% New Departure45@50%
BIT STOCK DRILLS	cow-
Cincinnati Tool Co., for wood, 40&10% for metal, 60%	Common Wrought
Cleveland Wood Bits for Brace50&10% Detroit	Common Wrought
	Bellows—
Morse	Blacksmiths'
TWIST DRILLS-	Moulders'
Cleveland	Belting, Rubber- Boston Belting Co.:
K. & F. Straight Shank 50&10% Morse Straight Shank 50&10% New Process 60&10% Standard 60&10%	Boston Belting Co.: "Boston"



-0		***************************************	
Cleveland Rubber Co.: Price Each	Bone Mills.	WROUGHT STEEL	Cherry Stoners— Enterprise25@30g
Buckeye	Enterprise	List April 1, 1895. Bronzed Inside Blind Butta50@50&10%	Family net # doz. \$4.00
War. 2 XL	Borers, Bung.	Bronzed, Narrow50@50&10% Fast Joint, Narrow	Chisel and File Handles-
N. J. Car Spring & Rubber Co.:	Enterprise 25@80%	Fast Joint, Light Narrow 28 Fast Joint, Broad 00 Loose Joint 100 Loose Pin 000	See Handles.
Extra Para	Each	Loose Pin	Chisels— SOCKET FRANING AND FIRMER—
Staple	C. R. Jennings & Co.; No. 6	Loose Pin	Buck Bros
Belting, Stitched Cotton—	No. 10	Calipers—	Charles Buck
Sphinx Brand	Borers, Tap-	Bemis & Call: Wing65%	Mix Ohio Tool Co
• •	Common Ring	Double	P. S. & W
Belts-	Ives25&10%	Straight Leg	Witherby. C. E. Jennings & Co, No. 70
Four Ply, 6-in. net	Boring Machines— WITHOUT AUGERS—	Can Openers—	Jennings & Griffin Mfg. Co705
Four Ply, 7 in. net	Upright. Angular.	American # gross, \$1.75@\$2.00	BOX
Bench Stops—	Douglass'	Goodell's Acme # gross, 6.00 Hopper's # gross, 15.00	Buck Bros. 20&10x Butchers' \$4.75@\$5.00 to £
Cincinnati	Millers Falls 7.50 15% Snell's, Rice's Pat. 2.75 8.00	No. 5, Iron Handle. # gross, \$2.00@2.25 Sardine Scissors	C. E. Jennings & Co
Morrill's No. 1, \$10.00 per dos.; No. 2, \$11.00	Bow Pins-	Sardine Scissors, Forged Steel \$4.50	Chiaela and Gouges
Seymour Smith & Sons	Hotchkiss60&10%	Sprague, No. 1, \$2.00; No. 2, \$2.25; No. 8, \$2.50	Tanged Firmers'
Terrell's Nos. 1 and 2, \$8.00; No. 8, \$3.00 % doz	Boxes, Mail.	Universal, # doz., \$8.0050%	COLD CHISELS-
Weston's40%	Heller's	Cards-	Good quality, * b
Binder Twine—	Box Strapping—	Cotton	Chucks-
White Sisal, 500 ft. to b 8c Standard, 500 ft. to b 8c	Cary's "Universal," in case lots, 20&10@20&10&10%	Wool	Beach Patent, each, \$8.0020% Cushman's:
Manile, 600 ft. to b	Barbers'	Carpet Stretchers— Montross' "Excelsior,"\$ dos.,	Combination475 Independent
Bit Holders	Barbers' Ratchet	\$6.00	Morse's Adjustable, each, \$7.0025%
Angular45%	Ives': Barbers'	Bullard's	Syracuse, Balz Patent
Extension: Barber's, # doz. \$15.0045@50%	Barbers' Ratchet 60@60&10%	Socket	Combination40% Independent40%
Ives' \$\doz. \$20.0060&10%	New Haven Novelty	Carriage Bolts— See Bolts.	Universal
Bit Stock Drills—	Spofford	Carriage Makers' Clamps—	Clamps—
See Augers and Bits.	C. E. Jennings & Co.: No. 108@11414	See Clamps.	Adjustable, Cincinnati
Blind Adjusters— Domestic. # dos. \$3.0088145	Peck B (P. B. & W. Co.)DU&10@OUN	Cartridges—	Adjustable, Stearns'
Excelsion. ** doz. \$10.0050&10&2% North's	Gen. Spofford's,50&10@60%	See Ammunition.	Cabinet Makers or Quilt Frame, Sargent's
Zimmerman's50%	Brackets— Door Screen	Casters-	Carpenter's, Cincinnati25&10x
Blind Fastenings and Tenons-	Shelf, Bradley's Patent	Bed	Carriage Makers', Sargent's 50@50&10% Carriage Makers', Stearus'50@50&10% Carriage Makers', P. S. & W. Co.40&10
Austin & Eddy # gro, sets\$5.50 Forhan's Improved Star Tenon	Shelf, Fancy, Sargent's list40&10 @50&55	Bracket Bed	Smith's:
♥ gro. \$1.00	Window Screen Corner60&10%	Martin's Patent (Phœnix)40&10%	Eccentric
Merriman's Brass Lever & gr\$15 00 Merriman's Iron Lever & gr 9.00	Reading, Plain	Plate70&10@75% Payson's Furniture	Splicing Tools
Millore Felle West (II) 15.8-10.	Bracket Saw Frames-	Payson's Truck	Cleaners, Sidewalk- # dos
Security Gravity \$\(\text{gr} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Millers Falls Co	Tucker's Patent, low list80%	Challenge Shank
Blind Hinges—	Bracket Sets— Millers Falls Co83144	Cattle Leaders— Huwason, Beckley & Co.'s70&10%	Star Socket 4.25
See Hinges.	Box Hooks, Openers and Scrap-	Peck, Stow & W. Co	Clippers— HORSE—
Blocks—	ers-	Weltons	Chicago Flexible Shaft Co.'s:
Burr Mfg. Co.'s Steel	Humason & Beckley's60&60&10%	Chain-	Chicago Belt Clipping Machine, Bach \$15.00 net
Cleveland Block Co. Steel60&10@70% Eddy's	Bright Wire Goods— Standard. New list	American Halter Chain50@50&10% American Proof Coil, Cask lots.	New '98, Chicago Each 8.75 net
Hariz' Steel. 50@50&10¢ Iron Strapped, Japanned Sheaves. 70¢ Iron Strapped, Lig Vitae Sheaves. 60¢ Rope Strapped, Japan'd Sheaves. 60&10¢ Ivy Sheaves. 60¢ 10¢	Bull Rings-	F. O. B. Pittsburgh. Inch. Per b.	TOILET Chicago Flexible Shaft Co.'s: # dos.
Iron Strapped, Lig Vitae Sheaves 60% Rope Strapped, Japan'd Sheaves 60&10%	Humason, Beckley & Co.'s80s	8-16	Mascot
L. V. Sheaves	Peck, Stow & Wilcox Co.'s	5-16 4.85	Stewart Pat10.00 nes
Junior, Self Sustaining	Seymour Smith & Sons60% Bull Punches—	7-16 8.85	Clips—
Perfect Safety	Humason & Beckley's25s	9-16 8.55	Norway Axle
Regular Iron Strapped Blocks	Bush Hooks-	8.55 8.50 8.50	Superior Axle Clips
Bolts 60&10&10@70%	See Hooks.	1 8.50	Box and Side50&10@60%
DOOR AND SHUTTER— Cast Iron Barrel, Square, &c50&10¢	Butchers' Cleavers— Bradley's	An advance of 25c. \$\forall 100 to is added on orders of less than cask lots.	Enterprise Mfg. Co
Cast Iron Barrel, Square, &c50&10% Cast Iron Chain50&10% Cast Iron Shutter Bolts45&10%	Beatty's	Bridgeport Chain Co.: Brown, Coil	National Specialty Mfg. Co305 The Swift, Lane Bros. Co305
Ives' Patent Door Bolts 60x	Foster Bros. Round Hds80%	Brown, Halter	Waddel's New Box Mills
Wrought Barrel	Lancaster Mach. & Knife Wks.8814@40% & I. J. White		Coil Chain—
Wrought Shutter, Standard list. 40&10&10@50&10%	New Haven Edge Tool Co.'s40% P. S. & W	Triumph, Halter	See Chain.
Wr't Sunk Flush, Sargent's list 50@50&10%	Butcher Knives-	Covert Mfg. Co., Halter Chain	Compasses, Dividers, &c.—
Wr't Sunk Flush, Stanley's list 45@45&10\$	See Knives.	Covert Mfg. Co., Rein Chain 805	Athol Calipers and Dividers409 Bemis & Call Co.'s:
	TO 4 14 1 - 14 CV - TO 1		
Wr't B. K. Flush, Com'n, Stanley's	Butchers' Saw Blades- Millers Falls Co. Star15@15&10#	Galvanized Pump Chain44@5c	Dividers
Wrought Spring, Sargent's75%	Millers Falls Co. Star15@15&10% C. E. Jennings & Co25&10%	Monarch, Saen	Dividers
Wrought Spring, Sargent's	Millers Falls Co. Star15@15&10% C. E. Jennings & Co25&10% Butter and Cheesa Triers—	60&10¢	Dividers
list	Millere Falls Co. Star	Galvanized Pump Chain 44@8c German Coll, list July 24, '97. 00&10% German Halter Chain, list July 24, '97. 00&10% Jack Chain, Iron. 60@60&10% Jack Chain, Brase. 60&60&10% Oneida:	Dividers 65s Compasses, Calipers, Dividers. 70@70&10s Copeland's Extension. 40s Stovens ''ideal''. 25&10s Stovens ''Leader''. 25&10s Starrett's Fay's Patent
18t	Millers Falls Co. Star	00&10% Jack Chain, Iron	70@40&10s Copeland's Extension
1st	Millers Falls Co. Star	Jack Chain, Iron. 60@60&10% Jack Chain, Brass. 60&60&10% Oneida: 60% Niagara. 60% Trace, Wagon and Fancy Chains,	Dividers 63s Compasses, Calipers, Dividers. 70@70&10s Copeland's Extension. 40s Stevens' "Ideal". 25&10s Stevens' "Leader". 25&10s Starrett's Fay's Patent Spring Calipers and Div. 25&10s Wright's 8344s
18t	Millers Falls Co. Star	\$0.2.10% \$0.2.10%	Dividers 636 Compasses, Calipers, Dividers. 70@70&106 Copeland's Extension. 400 Stevens' "Ideal". 55&106 Stevens' "Leader". 55&106 Starrett's Fay's Patent Spring Calipers and Div. 55&106 Wright's 58346 Coopers' Tools— Bradley's 906
18t	Millers Falls Co. Star	00&10% 00&10% 00&10% 00&10% 00&10% 00&10% 00&10% 00&10% 00&10% 00&10% 00% 00&10% 0	Dividers
18t	Millers Falls Co. Star	Jack Chain, Iron	Dividers 658 Compasses, Calipers, Dividers. 70@70&108 Copeland's Extension. 409 Stovens' "Ideal". 25&108 Stavens' "Leader". 25&108 Starrett's Fay's Patent Spring Calipers and Div. 25&108 Wright's 883/40 Coopers' Tools— Bradley's 908 Barton's 90@20&56 Beatty's 833/41 L. & I. J. White 9000656
Ist	Millers Falls Co. Star	Jack Chain, Iron	Dividers Compasses, Calipers, Dividers. Copeland's Extension. 40% Stevens' "Ideal". 25&10% Stevens' "Leader". 25&10% Starrett's Fay's Patent Spring Calipers and Div. 25&10% Wright's. 8314% Coopers' Tools— Bradley's. 30% Barton's. 30% Barton's. 30% Beatty's. 3344 L. & I.J. White. 30% Sandusky Tool Co. 35&10% Shaves, Cincinnati Tool Co. 15&15&10%
Social Content	Millers Falls Co. Star	Jack Chain, Iron	Dividers 658 Compasses, Calipers, Dividers. 70@70&105 Copeland's Extension. 405 Stevens' 'Ideal''. 25&105 Stevens' 'Ideal''. 25&105 Starrett's Fay's Patent Spring Calipers and Div. 25&105 Wright's 833/55 Coopers' Tools— Bradley's 908 Barton's 90870&55 Barton's 90870&55 Sandusky Tool Co. 35&10890&50 Shaves, Cincinnati Tool Co. 15@15&105 Corksorews—
list 50&10@60% Wrought Spring, Bargent's 75% CARRIAGE, MACHINE, AC.— Bolt Ends. 70@70&714% Machine 70@70&70 Machine 70@70&714% Machine 70@70&70 Machine 70@70 M	Millers Falls Co. Star	Jack Chain, Iron	Dividers 636 Compasses, Calipers, Dividers. 70@40&105 Copeland's Extension. 405 Stevens' "Ideal" 25&105 Stevens' "Leader" 25&105 Starrett's Fay's Patent Spring Calipers and Div. 25&105 Wright's 83465 Coopers' Tools— Bradley's 306 Barton's 30620&55 Beatty's 3346 L. & I.J. White 30620&50 Sandusky Tool Co. 35&10630&105 Shaves, Cincinnati Tool Co. 15@15&106 Corkscrews— Detroit Cork-Screw Co. 33466 Howe Bros. & Hulbert. 405
State Stat	Millers Falls Co. Star	Jack Chain, Iron	Dividers 652 Compasses, Calipers, Dividers. 70@f0&102 Copeland's Extension. 405 Stevens "Ideal" 25&102 Stevens "Leader" 25&102 Starrett's Fay's Patent Spring Calipers and Div. 25&102 Wright's 83/45 Coopers' Tools— Bradley's 30/45 Barton's 30/45 Eatity's 30/45 Sandusky Tool Co. 25&10/2026/5 Sandusky Tool Co. 25&10/2026/5 Sandusky Tool Co. 25&10/2026/5 Corksorews— Detroit Cork-Screw Co. 33/46 Howe Bros. & Hulbert 40/5 Humason & Beckley Mrg. Co. 40&10/8 Samson 40 doz \$10.00
list 50&10@60% Wrought Spring, Bargent's 75% CARRIAGE, MACHINE, &C.— Bolt Ends 70@70&71% Machine 70% Market Phila, list June 1, 999 Machine 70% Machin	Millers Falls Co. Star	Jack Chain, Iron	Dividers 632 Compasses, Calipers, Dividers. 70@60&102 Copeland's Extension. 405 Stovens 'ideal''. 25&102 Starret's Fay's Patent Spring Calipers and Div. 25&102 Wright's . 353/25 Coopers' Tools— Bradley's . 202 Barton's . 2020&52 Beatty's . 3020&53 Batty's . 3020&53 Sandusky Tool Co. 35&1020&102 Corkscrews— Detroit Cork-Screw Co. 353/25 Howe Bros. & Halbert . 405 Humason & Beckley Mfg. Co. 40&103



Halter Chaln-

DECEMBER 10, 1901.
Corn Hooks— \$ doz Kretsinger Cut-Kasy\$8.00 net
Corn Knives and Cutters— Bradley'snet Wadsworth'snet
Countersinks— 40% Mayhew's Diamond. 40% Smith's. 25% Snell's 50% Wheeler's Fatent. 50&10%
Crayons— 20% Sargent's List 20% Dixons: \$ gro. Eclipse 33.75 Emeraid 5.06 Oriole 5.00 Hainbow 2.81 Solid 7.50
Curry Combs— Fitch's List
Cycle Hangers— Lane's
Dividers – See Compasses, Dividers, etc.
Dog Collars— Chapman Mfg. Co.'s New List:
Chain (full assortment)40% Leather (full assortment)40&10% Pope & Stevens: Brass
Leather
Door Bolts— See Bolts, Door.
Door Checks
Empire50%
Door Springs— Champion (Coil). 18t Oct. '95
Drain Cleaners— Iwan's Adjustable
Sargent's List60%
Drawing Knives- Adjustable Handle \$5@25&10; Bradley's 85% Douglass 70&10; Jennings & Griffin 66%; Mix. 70&10; Ohio Tool Ce 70&10; P. S. & W 70&10; Witherby 70&10; Watrous 80&10; L. & I. J. White 90&5@25;
Drills and Drill Stocks— Automatic Boring Tools
Breast, Goodell's
Detabet Whitney's
Ratchet, Weston's 20@25% Stearne' Bench 30% Upright, B. & P. 50% Hand, Goodell's 30&10% Whitney's Hand Drill, No. 1, \$10.00; Adjustable No. 10, \$12.00 38346% Wilson's Drill Stocks 10%
See Augers and Bits.
Prentice
Drng Mills— National Specialty Mfg. Co30% Enterprise Mfg. Co25@30%
Easy Lawn Swings

IIAID	_
Egg Beaters— Dover Stamping Co.: New Dover, \$\psi \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Emery— Genuine Turkish Walpole Mills, No. 6 to 46, \$\vec{v}\$ b	
Enameline—	
Wood	
Farriers' Knives— \$\pi \doz \\ "Challenge"	
Faucets— Brass Globe Cocks	
Lever Handle Bibbs, Gr. Ky. Rgh	
Key	
John Sommer's "Buckeye," Metsl Key. 40% John Sommer's "Rocheeter," Metal Key. 50% John Sommer's "Rival," Metal Key.50% John Sommer's "Crescent," Metal	
Key	
John Sommer's "Common," Cork Lined	
Lined	
Enterprise # doz. \$36.00	
DOMESTIC— New List, Nov. 1, 1899. American	
J. Barton Smith	
Nicholson's X. F. Files	
StubeStubs' list, 30@33/45	
Fuper's Natural Stone 30.000310.00 Fish Hooks— Amer. Fish Hook Co. list 60/200/2.10s	
Kirby & Limerick, low list (50c base). 10s Fish Scalers— Covert's Saddlery Works: Great American	
Fitch'snet prices Fituting Scissors— List	
Forges— 0 Boynton & Plummers60g	

VARE
Forks- Steel Goods Association List, Aug.
1, 1899. 40&5% Barn or Ice Forks
Hay Forks, Four Tine, Standard Size
Socket Hay Forks, Four Tine. 66%&5% Socket Manure Forks, Four Tine 70% Socket Spading Forks, Four Tine.
Spading Forks 7025252245 Stone Ficking Forks 655 Tanner's Forks 4025 Hay Forks, Three Tine, Standard Size 66545 Hay Header and Baler Forks, Three Tine 67742245 Hay Forks, Two Tine, Standard Size 655
Fruit, Wine and Jelly Presses. Enterprise
Acme Fry Pans
Fuse \$\psi 1000 ft. Hemp Fuse \$2.60 Cotton Fuse 2.90 Single Taped Fuse 3.25 Double Taped Fuse 4.20 Triple Taped Fuse 5.00 Gate Hinges
See Hinges.
Bemis & Call's Steel
Stanley's
8tube' Wire and Drill
"Diamond" Gimlets, # gr. \$4.00@\$4.25 Double Cut
See Augers and Bits. Glass Cutters—
"Woodward" net prices "Red Devil" net prices Globe and Racking Cocks—
See Faucets. Glue— Dodd's Liquid Glue25&25&10% Le Pages Liquid25&25&40% Martin
Mystic
Graters— Enterprise
Cronk's
Sargent's Patent
Gun Wads— See Ammunition.
Hafts— Britton's \$6.50 Halters—
Covert Mfg. Co: Jute Rope Halters

See Chain. Hammers HANDLED HAMMERS-HEAVY HAMMERS AND SLEDGES-Under 3 b \$ b 40c } 80@80&10\$ 8 to 5 b \$ b 86c } 80@80&10\$ Over 5 b'.... \$ b 80c 75&10@€0\$ Wilkinson's Smiths.... 9½c@10c \$ b Hammock Ropes-

 Covert Mfg. Co.:
 35%

 Jute
 85%

 Sisal
 20€

 Hand Cultivators-Ulrich Mfg. Co.: Osborne's..... % doz., \$15.00 Handles-IRON, WROUGHT OR CAST-STORE DOOR HANDLES-DOOR PULL-WOOD-CROSS-CUT SAW HANDLES-Hangers



Harness Snaps— See Snaps.	Special Hoe Special Mor
Hasps and Staples-	Sunhem Mer Tobacco Ho
McKinney's "Perfect," \$1.10 \$ doz.50% Wrought	Toy Ladies' Truck Hoes.
wrought, Stattley	Warren Hoe Weeding Ho
Hatchets— See Axes.	Hollow
Hay Hooks—	See Augers a
Humason & Beckley 60&10%	Hollow '
Baxter Wrought Iron, No. 1, \$1.00, net; No. 2, \$1.50, net.	Agete Nick
	1899 Granite War Jan. 2, 189 Second Qual
Hay and Straw Knives— Anburn Hay, Com. and Spear Point .50%	Second Qual Second Qual
Iwan's Hay, Sickle Edge, # doz. net \$10 Iwan's Hay, Imp. Serrated # doz.	Iron Clad: Peppered V
▶ net	Mottled W Never Break
**************************************	STOVE
Hinges— WROUGHT IRON HINGES—	Ground Unground
Rolled Blind Hinges, Nos. 32 and 84,	WHITE
Rolled Plate	Boilers and S Maslin Kettl
6 to 12 in., 39 h,	Tinned Boile
Screw Hook and Strap, 234@314c. 22 to 36 in., 3 b.	4 mo.
234 to 38 in., \$ 15, -	Hartford Silv Holmes & Ed Meriden Brit
New List, March 15, 1601.	Reed & Bart
	Rogers & Bro Simpson, Hal William Roge
Heavy Strap	Hooks-
Long Chest 60%	AGRICUI Potato, all kir
Hinge Hasps and Staples 60% Crate Hinges 75% Crate Hasps 60% E	Manure Iowa F. T. Co
Corrugated Heavy Strap80% Corrugated Extra Heavy T 75.210%	BUSH-
Crate Hinges	Jennings & G
Japanned Light T	conn— Kretzinger Cu
Japanned Hinge Hasps	CAST IR
Japanned Crate Hinges	Bird Cage, Sar Bird Cage, Re
Japanned Krita Heavy T	Bird Cage, Re Bird Cage, W Ceiling, Sarge Chandelier
SPRING HINGES-	Clothes Line,
Bommer's Brothers. Bommer Spring Hinges40% Bommer B. B. Floor Hinges40% Bardeley's Pate Checking40%	Coat and Hat, Coat and Hat, Coat and Hat,
Bardsley's Patent Checking	Harness, Sarg
Sargent's List, 1894: Bronze Metal. 702-102-102	Picture Screw Hat
Chicago	Wardrobe
Model	Cotton Pat. (
Tuscan Surface, Single	W OFKS)
Vigilant	Picture, T. & Tassel, T. & Wronght Stay
Union Mfg. Co	Tassel, T. & & Wrought Star
GATE HINGES—	MBAT-
Clark's, Nos. 1, 2, 3	Enterprise Humason & B
N. Y. State, & doz. \$4.90	WIRE-
Western, \$\psi\$ doz. \$4.20 \\	Atlas Coat and Belt. Crescent, Coa
BLIND HINGES— Clark's:	Wire Coat and
Lull & Porter, Nos. 0, 1, 114, 2, 214, 3	Wire Coat and
Nos. 1, 8, 5	Wire Ceiling, Wire Coat and
Parker	MISCELL
W. H. Co.'s No. 2 Mortise Gravity605 Stanley's Steel Gravity Blind Hinges, with Screws, \$1.30 \$2 doz. sets. 30&105	Covert Mig. C. Safety Gate Grass No.
	Hooks and Ry
Hitching Cords— Covert Mfg. Co456	Cotton, Box as
Hoes— Steel Goods Association List, Aug. 1,	Horse Clip See Clippers.
	Horse Nai
Asphalt Hoes	A. C
Harper's No. 7 Mortar Hosa 654	American, all
Kretzinger, Cut-Ezy 75&56	Nos.
Ladies' Cotton Hoes	Anchor 2 C. B. K 2 Capewell
5&2144 Mortar and Street Hoes75&74&24	Champiain
Mortar and Street Hoes75&714&25 Planter Hoes, Regular Pattern70&305 Rough Finish Shank Cotton Hoes	Clinton Fin .1 Essex
75&1214≰	•

Safety Gate and Scuttle Hooks		_
## Hollow Ware— ## RNAMELED— Agate Nickel Steel Ware, list July, 1899. ## Jan 2, 1895. ## Jan 1, 1894, revised Jan 2, 1895. ## Jan 1, 1894, revised Jan 1, 1894, revised Jan 2, 1895. ## Ja	Tobacco Hoes	
### RICKELED— Agate Nickel Steel Ware, list July, 1899		
Agate Nickel Steel Ware, list July, 1899, Granite Ware, list Jan. 1, 1894, revised Jan. 2, 1895,		
### STOVE HOLLOW-WARE— Ground	Agate Nickel Steel Ware, list July, 1899	
Ground	Peppered Ware, high list	
Boilers and Saucepans	Ground	
## SILVER-PLATED— ## MO. or 5% cash in 30 days. Hartford Silver-Plate Co	Boilers and Saucepans50@50&10% Maslin Kettles70&10@73&5% Tinned Boilers and Saucepans,	
AGRICULTURAL— Potato, all kinds	SILVER-PLATED— 4 mo, or 5% cash in 80 days. Hartford Silver-Plate Co	
Potato, all kinds		
Jennings & Griffin's	Potato, all kinds 20st	
OORN— Kretzinger Cut-Exy		
Bird Cage, Sargent's list	CORN-	
Cotton Pat. (N. Y. Mallet & Handle Works)	Bird Cage, Sargent's list	
Enterprise	Cotton # doz. \$1,35	
Atlas Coat and Hat	Enterprise	
### Coat and Hat, Standard	Atlas Coat and Hat	
Covert Mfg. Co.: Safety Gate and Scuttle Hooks	wire Coat and Hat, Standard45%	
Horse Nails— Nos. 6 7 8 9 10 A. C25c 23c 22c 21c 21c 40&10s American, all sizes	Covert Mfg. Co.: Safety Gate and Scuttle Hooks	
Nos. 6 7 8 9 10 A. C	See Clippers. Horse Nation	
Nos. 6 7 8 9 10 Ausable 28c 26c 25c 24c 28c 50g Anchor 23c 21c 20c 19c 18c 40g	Nos. 6 7 8 9 10 A. C25c 23c 22c 21c 21c	
	Nos. 6 7 8 9 10 %c net Nos. 6 7 8 9 10 Ausable 28c 26c 25c 24c 28c 50g Anchor 23c 21c 20c 19c 19c 40g	1

	
pes	Lyra, all sizes
Oces	25@22&55g Putnam
Augers-	Horse Shoes-
and Bits.	Horse and Mule, per keg\$3.75
Ware-	Burden's, all sizes
(ELED-	Diamond State, Bhoenberger, Cres-
kel Steel Ware, list July,	Factory Shipmen's.
are, list Jan. 1, 1894, revised 895	Horse Ties-
895	Covert Mfg. Co.:
anty, Granice,	Cotton
70&10@70&10&10s	Cotton 45s Hemp 45s Jute 25s Sisal 20s
Ware, high list	S188130%
k Enumeled50&5@50&10%	Hose, Rubber-
E HOLLOW-WARE-	Boston Belting Co.:
60&10≴ 70≴	**Boston **
E ENAMBLED-WARE-	N. J. Car Spring & Rubber Co.:
Saucepans50@50&10%	Extra Para
tles	Staple
50@50&10≰	
B-PLATED— o. or 5% cash in 80 days.	Ice Awls, Chippers, &c
o. or 5% cash in 80 days. lver-Plate Co	Copeland Ice Pick gr. \$9.00 net
	Gem Ice Shave net
rton	Sargent's Ice Awis 55% Snell's 50%
all, Miller & Co40&5%	Starnet
gers Mfg. Co40&10%	Ice Cream Freezers-
	See Freezers, Ice Cream.
ULTURAL—	Ice Shredders—
inds	Enterprise, No. 88. \$2 doz. \$6.00 \$5@80\$ No. 84. \$2 doz. 15.00 \$25@80\$
50. B Clam	
	Jack Chain—
_	See Chain.
Cut-Ezy doz. \$8 net	Jack Screws— See Screws.
BOX—	
argent's list 60&10&10g	Rettles— Spun Brass, Plain
Reading60@60&10% Williamson50%	Spun Brass, plated inside with White
	Metal10@15%
508. Sargent's list. 50&109. tt, Sargent's list. 50&109. tt, Reading. 50&109. tt, Stowell's 709. Teant's list. 50&50.	Knives-
it, Sargent's list50&10g	Ames': Bread Knives, \$\P\$ doz \$1.5020%
it, Stowell's	
····	Cronk's Chopping88144
	Shoe Kulves 255 Cronk's Chopping 3816 Dunlap Kitcken and Bread Knives 265 Foster Bros.' Butcher, &c. 305
55%	Titaled Walnes Assault
HT IRON AND STREL-	Bittoher net Shoe Knives 40% E. Hartzell's 30&5% Hay and Straw, see Hay Knives. Table and Pocket, see Cutlery. Wilson's Butcher Knives.
(N. Y. Mallet & Handle Hooks, E. C. Stearns,	E. Hartzell's
Hooks F G Standard	Table and Pocket, see Cutlery.
rooks, h. C. Stearns,	Wilson's Batcher Knivesnet
% S. Mfg. Co	Knives, Hay and Straw-
50c to S. Mfg. Co	See Hay Knives.
- w winding 6000s.	Knobs-
Beckley80&10%	Bardsley's Wood Door, Shutter and Base
	Base, Rubber Tip, 214 in. Bead, 9 gr. \$1.50 Carriage, Jap.
nd Hat.	Door Mineral, R. & E. list 50%
nd Hat	Door Por. Nickel, " "50g
THE THE TOTAL TOTAL TOTAL	Base 10g Base, Rubber Tip, 2% in. Bead, 2 gr. \$1.50 Carriage, Jap
&10&5% ad Hat, Gem50&10@50	Yale & Towne Woodnet
&10&5% , Gem50&10@50&10&5%	Latches—
nd Hat, Standard45%	Cronk's Barn Door Net. \$2.25
LANEOUS-	Lane's Barn Door40@40&10g
Co.: e and Scuttle Hooks85≴	Lawn Mowers— Champion
. 2. \$1.65: 8. \$1.80: 4. \$2.00	Clipper Improved50&10&10&5
yes—Brass	Champion
and Hay60@60&10%	Styles M., S., C., K., T 70.5.10
ippers—	Style A. (all steel)
	Style E., High Wheel 70&10&5%
sils—	Gold Coins, low list60%
6 7 8 9 10 .25c 23c 22c 21c 21c	Enterprise. 40&10% Genuine Philadelphia Mowers: Styles M., S., C., K., T
40&10≰	New Departure, High Wheel70&10% New Departure, Low Wheel75%
1 sizes	New Easy
. 28c 26c 25c 24c 28c 50g . 23c 21c 20c 19c 19c 40g . 25c 28c 22c 21c 21c 40g	
.xnc xsc xzc 21c 21c 40≴ .19c 18c 17c 16c 16c 10&5≰	12 10. 14 in. 16 in. \$6.00 \$6.25 \$6.50 each net
.19c 18c 17c 16c 16c 10&5% .28c 26c 25c 24c 28c 40&5&2%	Pennsylvania60&10%
.19c 17c 16c 15c 14c 80 & 5% .28c 96c 25c 24c 23c	12 in. 14 in. 16 in. 36.09 \$6.25 \$6.50 each net
40&10@50¢	Sunbeam

	D есемвея	10,	1901
Enterp Gibbs' Gibbs'	rise		. 25@30 s. \$10.0 s. 5.0 s. s.
Covert	ders— Mfg. Co. Cattle d Pipe, Etc. ipe, full lengths ipe, cut lengths		
Lem	ipe, full lengths. ipe, cut lengths. ipe, cut lengths. ipe, Tin Lined. In Pipe. ead, full rolls. ead, cut rolls Quantity discou on Squeezers Bros. \$\frac{3}{2}\$ doz. 8-in.	-	
Hotchk Jenning Little G Porc. L Porc. L	8, \$1.65; Q ise, Straight Flui rs' Star	ueen, \$2 sh, \$ do doz. \$1	8.85; l.50, net z. \$9.60 90@2,00 @50&55 5@\$8.50
No. 1. Lette Name I Name I Number	s Box Plates- loor Plate loor Plate Plate Door Plate	0.00. - 50@	50&10g
C. E. Je Hexas Iron l	mnings & Co.'s: gon Bench, new design ors— nsom Lifters.	D	85&105 85&105
Cotton a Cotton (Cotton (Masons' Colore Flax . No. 0 Samson	and Linen Fish, I Chalk, 20 feet Prot ed Cotton to 5 Cotton, No. 4, \$2.	.00; No.	00&10% 881% 40&10% 40&10% 20% 43%
No. 1, \$7.50 i Ventilat White Wire Clo No. 19	ake, Braided, N. \$6.50; No. 2, \$7 9 gross. or Cord, Samso or Drab Cot. \$9 do othes, 100 feet, No. \$0, \$ ed Shells—munition.	\$2.50 [o. 0, \$7.00; No 	10% 8.00 . 8, 85@80% led, 090%
Branford Champid Lockwo Moore's	DOB LOCKS, LATCH d Lock Co. on Night Latches od Mig. Co. Elevator Door Lock Co. Mfg. Co. Hardware Co. & Co.	Det	50% 40¢
Eagle Lo Corbin. Yale	BINET— DCk Co DLOOKS— lcycle and Satch	••••••	.83%
Ames Sw Brown's Brown's Champio Ragle Scanding McWilling Smith & Wrought Yale Loc	vord Co Brass. Chain. n. svian ams. Egge Bicycle i Iron k Co		40% 25% 25% 40%
Corbin's Eagle Mach See Bolt	ine Bolts— s. Boxes—		5&10s 5&10s
Matte	ts- e List: ynvitse		
meguiar	Garden Goods Cuttors—	6	256 0&106



Enterprise
Little Glant
\$35 \$48 \$44 \$72 \$68 Miles' Challenge, \$ doz45@45&10% Nos
Woodruff's, # doz
\$15 \$18 Beef Shavers (Enterprise)25@30% Chadborn's Smoked Beef Cutter \$\pi\$ doz. \$60.00
Meat Juice Extractors— Enterprise
Metals, Anti-Friction-
Magnolia Metal Co.: # 15 Magnolia, Anti-Friction
Mystic
Monroe's Patent \$ doz. \$4.00, 40%
P. S. & W
C. E. Jenninge & Co
Mop Wringers— Matchless (Canton, O.), \$\varphi\$ doz\$19.00 Motors—
Specialty Novelty Coeach \$5.00
Nails— WIRE AND OUT NAILS—
See Review of the Markets for quotations. Wire Nails and Brads, Papered, Ass'n
list, July, 189980@80&10%
PICTURE— Brass Head, Combination list 50% Brass Head, Sargent's list 70@70&5% Niles' Patent
PURMITURE ### 10% Antique Bronze
Nail Pullers— Ajax, 5 lbs
Cyclops
Rureka, No. 74
Black Hawk, \$\pi doz \ \$\frac{90,00}{2569}\$ \text{Cyclops} \ \$\frac{356}{256}\$ \text{Eclipse} \ \$\pi dos. 18.00, \$\frac{85.10}{25.10}\$ Bureka, \$\text{No}\$, \$\frac{74}{2}\$ doz. net \$\frac{8}{2}.50\$ Bureka, \$\text{No}\$, \$\frac{74}{2}\$ doz. net \$\frac{8}{2}.00\$ Glant, \$\text{No}\$, \$\frac{1}{2}\$ doz. \$\frac{91.00}{2}\$ \$\frac{90.25}{2}\$ \$\frac{1}{2}\$ doz. \$\frac{91.00}{2}\$ \$\frac{90.25}{2}\$\$ Lightning \ \$\pi doz. \$\frac{91.00}{2}\$ doz. \$\frac{94.00}{2}\$ \text{108}\$ National \ \$\pi doz. \$\frac{94.00}{2}\$ \text{408}\$ Scranton Improved, in Case Lots: Small, \$\text{No}\$, \$\frac{9}{2}\$ doz. \$\frac{5}{2}\$ \text{00}\$ "No, \$\frac{8}{2}\$ \text{00z} \ .\frac{94.02}{2}\$ \text{5.00} "No, \$\frac{8}{2}\$ \text{00z} \ .\frac{9}{2}\$ \doz. \$\frac{6}{2}\$ \text{00z} \ Large, \$\text{No}\$, \$\frac{9}{2}\$ \doz. \$\frac{6}{2}\$ \text{00z} \ .\text{00z} \ .\
Pelican
" No. 8 B
No. 2 B
Nall Sets - Buck Bros
Humason s
Hunters' Cup Point, Knurled \$10.00 9.00 Octagon 4.004.75 Round, assorted 8.00@3.25
Square 4.00@4.25 Snell's:
Octagon
Nippers— Acme
Acme
Acme, Nickel Plated
Nuta— Off list. Hot pressed, square, blank\$5.80 Hot pressed, hexagon, blank 6.00
Hot pressed, square, blank
Cold punched, hexagon, square, blank
tapped

HARDV
Oilers— Brass and Copper
Perfect Oilers 1.50 Star Pocket Oilers
Brass
Malleable, Hammers, Old Pattern, same list. 50&10% "Paragon," Brass 5.3&10@60% "Paragon," Zinc. 70@70&10% Tower & Lyon Bleycle 25% Wilmot & Hobbs Mfg. Co.'s Steel Anti Rust 70&10@75% Zinc and Tin 60&10@65%
Oil Stones, etc.— oil stones—
Pike's Washita: \$.60 Lily White, \$ \mathbb{T} \mathbb{T} \mathbb{T} \mathbb{S} \mathbb{O} \mathbb{O} \mathbb{O} \mathbb{O} \mathbb{S} \mathbb{Z} \mathbb{O} \math
814x1
India Oil Stones 25@831/21 Packing, Steam— RUBBER—
Boston Belting Co.: 60% "Bxcelsior" Plumbago, Pure, \$\varphi\$ \$1.00
MISCELLANEOUS
Padlocks- See Locks. Parers- Appres- \$\parentag{dos}.
APPLE— \$4.50 Advance. \$4.50 Baldwin 5.00 Bonanza each 5.00 Dandy each 7.50 Rureks, 1998 each 16.00 Family Bay State. 12.00 Improved Bay State. \$27@30.00 Little Star. 4.00 New Lightning 5.00 Penn 3.75 Penfection 4.00 Reading, 72 7.00 Reading, 72 7.00 Reading, 72 7.00 Scott's Pat. Rotary \$15.00, 90% Turntable, Old Style. 4.50 Turntable, 1898 5.50 White Mountain. 4.00
Saratoga \$5.50 White Mountain 4.50
Pencils— Dixon's: \$2 gro. Carpenter's. \$3.67@8.75 Carpenter's, Blue or Red 4.00@7.50 Lead 2.18@4.88 Lumber 6.57 Mascot, Hexagon 8.75 Mascot, Round 3.10
Percussion Caps— See Ammunition
Picks— Railroad or Adze Eye, 5 to 6, \$19.00. 6 to 7, \$18.0060&10@60&10&10 Planes and Plane Irons—
WOOD PLANES— Reilov's (Stanley R. & L. Co.)
Bench, First Quality 45@45&10% Bench, Second Quality 50@50&10% C. E. Jennings & Co 50&10% Molding 40&5%
TRON PLANES— Chaplin's Iron Planes
Auburn "Thistle"

Pilers and Nippers— Button's
Cronk's: Button Pattern
Hall's Pliers 70% Humason & Beckley Mfg. Co.50@50&10% Wm. Johnson's Gas Pliers
Plow Bolts— See Bolts.
Plumbs and Levels— 40&10&10 Cook's 40&10&10 Davis': 1nclinometers 20% Iron Levels 25&10% 20% 20%
Disston's
Poachers— See Egg Poachers.
Police Goods— Tower & Lyon's
Polish Metal— Prestoline Liquid, New List
U. S. Metal Polish Pasie, 3-02: 502-8, \$.60 \$ gross
U. S. Liquid, 8-os cans, \$\vec{\phi}\$ doz 1.25 \$\vec{\phi}\$ gross 12.00 Barkeeper's Friend Metal Polish, \$\vec{\phi}\$ doz 1.75 \$\vec{\phi}\$ gross 18.00
Polish, Stove— Dixon's Plumbago
Poppers, Corn— Round or square, \$ doz. \$ gro. 1 qt
Round or square, \$\psi \text{doz.} \$\psi \text{gro.} \\ 1 \q t
Post Hole Diggers— \$\psi 025. Disston's Samson Digger\$24.00, 26%. Iwan's Split Handle, \$\psi\$ doz. net\$8.50 Iwan's Perfection, \$\psi\$ doz. net\$9.00 Ryan's\$\psi\$ doz. \$30.00, 26%
Post Hole Augers— Iwan's Patent Improved
Potato Hooks
Powder— See Ammunition. Presses—
See Fruit and Jelly Presses. Primers—
See Ammunition. Pruning Hooks and Shears— Chaptele Penning Shears 28044
Cronk's Pruning Shears
Pruning Shears
Orange
Pulleys— 60@60&10s Awing 50@60.810s Axie 50&10@60s Brass Screw 45&10s Celling 50@10&60s Clothes Line, Japanned 60s Common Sense 60s Drawb Watter 60g60.810s
Empire Sash Pulley60%
Nos. 8 & 7, 214 inch wheel, \$\pi\$ doz25c No. 9, 134 inch wheel, \$\pi\$ doz

Hay Fork, Swivel Eye, \$\varphi\$ dos., 4-inch, \$8.75; 6-inch, \$5.00	6
Hay Fork, Hartz, 4½-inch, \$\footnote{0}\text{doz.,} \\ \$6.00	Ķ
\$6.00	Š
Stowell's Anti-Friction, 6-in. Wheel, 39 doz., \$12.0040	Ķ
Stowell's Anti-Friction, 5-in. Wheel, \$\phi\$ doz., \$13.00	ŝ
	*
Pumps— Cietara Rest Grades 50&10@60	•
Pitcher Spout, Best Grades 70&10;	Š
No. 1, Fig. 828, 3 in. Shallow Well Pump. \$18.00	0
Cistern, Best Grades	0
No. 5, Fig. 307, 3 in. Deep Well Pump	0
No. 5, Fig. 807, 3 in. Deep Well Pump	
No. 14, Fig. 521, 8 inch Deep or Shallow Well Pump 15.0	0
No. 82, Fig. 528, 8 in. Deep Well Pump	0
No. 56, Fig. 381, 8 in. Shallow Well Pump 14.0	0
No. 59, Fig. 832, 814 in. Shallow Well Pump	0
No. 70, Fig. 883, 234 in. Deep Well Pump	0
Pump	0
Pump 15.0 No. 78, Fig. 538, 314 in. Deep Well Pump 16.0 No. 102, Fig. 448, 8 inch Lift Pump 9.0	Ю
No. 102, Fig. 448, 8 inch Lift Pump	0
Pump 11.0 No. 128, Fig. 510, 8 in. Lift	Ю
Pump	10
Pump	50
Pump. 12.5 No. 285, Fig. 408, Windmill Pump 16 0	50
	00
No. 240, Fig. 408, Regulator Pump	00
Force Pump 16.0 No. 267. Fig. 483. Geyser Tank	
Force Pump	
Tank Force Pump 16.0 No. 302, Fig. 477, Spray Pump,	
complete	
No. 880, Fig. 547, Knapsack	
Spray Pump 10.0 Discount, 50% f. o. b. Ashland.	w
Down all an	
Punches—	
Bemis & Call Co.'s:	5%
Bemis & Call Co.'s:	N N N
Bemis & Call Co.'s: 50& Cast Steel Drive	アメメン
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Razors	Samson:	Saw Sets-	Drive Screws, Diamond Point .8714@904
Electric List net "John Engstrom" net prices	"Mass." White, Cotton2234@24c "Samson" Braided White, Cotton	Atkins:	Iron, Bright Flat Head 8714@90% Iron, Bright Round and Oval Head
	# 15 2814@300 "Samson" Braided Drab, Cotton	Criterion Saw Sets doz. \$6.00 Excelsior Saw Tools doz. 6.00	85@6744 Nickel Plated, Iron Flat Head75@80
Wostenholm and Butcher, \$10.00 to	* Samson" Braided Italian Hemp	Bemis & Call Co.'s: Cross Cut80&5%	Nickel Plated, Iron Round Head .75@80%
Registers and Ventilators-	学 fb 82年@85c "Samson" Braided Linen 评 fb. 50@55c	Hammer, New Pat	MACHINE-
HOT AIR-	A Quality, Drab	Disston's Monarch, Nos. 1 & 10 and	List, January 1, 1898.
New List. Sept. 2, 1901:	A Quality, White	Star	Brass, Flat Head
Black Japanned	B Quality, White 19 15 80c, 5% United States:	Kohler's: "Giant Royal" \$\pi \text{doz. \$9.00} "Royal" \pi \text{doz. 6.00}	Iron, Flat Head
Electro-Plated 20%	B Quality 等 1816c C Quality 等 10 1714c	Leach 6	, <u></u>
Nickel Plated 70% White Porcelain 60% Solid Brass and Bronze Metal 50%	White Cotton, Hard Braided * b 18c	Morrill's: No. 1, \$15.00; No. 10, \$15.50; No. 11,	COACH, LAG AND HAND RAIL—
Solid Brass and Bronze Metal50%	Sash Fasteners, Holders, &c.	Cross Cuts Nos. 8 and 4, \$28.00; No.	G. P. Coach. List, Feb. 14, 1895, 75&104
Rings-	Sash Lifts60&10&10	5, \$31.00	Hand Rail
See Bull and Hog Rings.	Sash Lifts Flush	Seymour Smith & Son, Hammer	Cone Point
Rivets and Burrs-	Sash Rollers	Stillmans \$ doz. 1.00 Talctors Positive\$18.00 \$ dox. 60\$	BENCH, HAND, ETC.
Belt with Burrs40&5@40&10%	Shutter Sheaves		Bench, Iron, 9 doz., 1 42, \$8.25; 114, \$3.50; 114, \$4.25
Hose with Burrs40&5@40&10%		Scales—	Deuch, Wood, Beach & dog 9.40
IRON— List, Nov. 1, 1894.	Sash Locks—	Chatillon's: Eureka25%	Hand Wood
Ordinary in bulk 70% Thousand, in bulk 70%	Champion Meeting Rail	Favorite	Jack Screws, Millers Falls, Roller Bearing 50g- Jack Screws, Millers Falls, without
Thousand in papers 70% Coopers', in bulk 70%	Elting's Ventilating	Family, Turnbull's80@30&10% Hatch:	KOLLEY HEAVING. SOLETON
Block and Carriage, in papers 70%	Iron 70	Counter, No. 171. dos. \$17.00@\$18.00 Tea, No. 161	Jack Screws, P. S. & W40@40&10% Jack Screws, Sargent's
DOLL WILL DUITS, TINNAN OF CON-	Gale's Automatic, List Nov., 1897654	Union Platform Plain 2.00@ 2.10 Striped 2.15@ 2.25	Piano Stool
pered70%	Ives' Patent: Wrought Steel		Scroll Saws-
Regular List	Bronze M. Knob	Scale Beams—	
_	Cast Iron	Chatillon's No. 1	Barnes' Scroll Saw Blades. 404
Rollers— Lane's, Stay83345	Payson's Perfect		Cricket
_		Scrapers, &c.—	Lester, complete, \$10.00
Rope—	Sash Weights-	Adjustable Box Scraper (S. R. & L. Co.) \$6.00	100 cas, complete, \$1.00
Cotton Rope, Best, Binch and larger 14c Medium, 14 in. and larger 12c	Small lots	Box, 1 Handle	Scythes, Grass— ¥ doz.
Common, 1 in. and larger12c Common, 1 in. and larger10c Jute Rope:		Ship Common \$\forall \text{doz. \$2.40 net}	Natural Finish
A grade	Sausage Stuffers or Fillers-	Ship, R. I. Tool Co10≰	Painted or Bronzed
Manila:	Draw Cut, No. 4each \$80.00, 20%	SIDEWALK—	Wood and Dust 1.20g 130
7-16 in. and larger 18 c 86 in 1814c 14 and 5-16 in 14 c 18 Hay Rope, Medium 1814c	Enterprise Mfg. Co25@25&7165 National Specialty Mfg. Co25%	Kohler's, Steel No. 7 doz. \$8.00	Seeders-
Hay Rope, Medium		_	Raisin, Enterprise
Gigal: Land Marchian	Sawa-	Screens—	
7-16 in, and larger	Saws— Atkins:	DOOR-	
7-16 in, and larger	Atkins; Band 7 to 14 in. Wide	DOOR— Phillips: \$\psi\$ doz. % in., Style E, Fancy Screen	Shears—
7-16 in. and larger 94c 44 in 94c 44 and 5-16 in 104c Rules—	Atkins: Band 7 to 14 in. Wide60&10% Band 2 to 6 i n. Wide60% Band 14 to 2 in. Wide60% Butcher, Pruning and Compass. 40&5%	Phillips: \$\psi\$ dos. % in., Style E, Fancy Screen Doors	Shears— Acme (Cast)
7-16 in. and larger 94c 44 in 94c 44 and 5-16 in 104c Rules—	Atkins: Band 7 to 14 in. Wide60&10% Band 2 to 6i n. Wide60% Band 3/5 to 2 in. Wide60% Butcher, Pruning and Compass. 40&5% Circular	Phillips: \$\psi\$ dos. % in., Style E, Fancy Screen Doors	Shears
7-16 in and larger 914c 7-16 in 934c 14 and 5-16 in 934c 14 and 5-16 in 1014c Rules Athol, Steel 80xwood 75&10&10&10 1very 85&10@35&10&10 1ufkin's: 85&10@35&10&10	Atkins: Band 7 to 14 in. Wide	DOOR— Phillips: \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Shears— Acme (Cast)
7-16 in. and larger 94c 34 in 93c 44 and 5-16 in 104c Rules— Athol, Steel 38145 Boxwood 75&10&10&10 Ivory 35&10&35&10&40 Lufkin's: Steel	Atkins; Band 7 to 14 in. Wide	DOOR	Shears
7-16 in and larger 944c 34 in 934c 44 and 5-16 in 1044c Rules Athol, Steel 80xwood 75&10&10&10x Ivory 85&10@85&10&10x Lufkin's: 8teel 55x Lumber 50&10x	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in. and larger 94c 34 in 93c 44 and 5-16 in 104c Rules— Athol, Steel 38145 Boxwood 75&10&10&10 Ivory 35&10&35&10&40 Lufkin's: Steel	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in. and larger 944c 34 in 934c 4 and 5-16 in 1044c Rules— Athol, Steel 8324x Boxwood 75&10&10&10 Ivory 85&10&10&10 Lufkin's: 85&10@85&10&10 Steel 55&10 Starrert's Rules and Straight Edges, Steel 25&10 Sad Irons—	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in. and larger 944c 7-16 in. 934c 14 and 5-16 in. 934c 14 and 5-16 in. 1044c Rules Athol, Steel 834-5 Boxwood 75&10&10&10 Ivory 85&10&10&10 Lurkin's: 85&10@85&10&10 Steel 50&10 Miscellaneous, Stanley's 50&10 Starrett's Rules and Straight Edges, Steel 25&10 Sad Irons Chinese Laundry 8 ib 44c Chinese Sad	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in. and larger 944c 7-16 in. 934c 14 and 5-16 in. 934c 14 and 5-16 in. 1014c Rules Athol, Steel 3314s Boxwood 75&10&10&10 Ivory 85&10@35&10&10 Lurkin's: 85&10@35&10&10 Lurkin's: 50&10 Steel 50&10 Steel 50&10 Starrett's Rules and Straight Edges, Steel 25&10 Sad Irons Chinese Laundry \$10.44c Chinese Sad 315c Crown, Polished \$10.856.50 Crown, Nickel \$10.866.50 Crown, Nickel \$10.866.50	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in. and larger 944c 7-16 in. 934c 14 and 5-16 in. 934c 14 and 5-16 in. 1044c Rules Athol, Steel 834-5 Boxwood 75&10&10&10 Ivory 85&10&10&10 Lurkin's: 85&10@85&10&10 Steel 50&10 Miscellaneous, Stanley's 50&10 Starrett's Rules and Straight Edges, Steel 25&10 Sad Irons Chinese Laundry 8 ib 44c Chinese Sad	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in and larger 944c 75 in 984c 14 and 5-16 in 984c 14 and 5-16 in 1014c Rules Athol, Steel 38145 Boxwood 75&10&10&10 Ivory 85&10@85&10&10 Lurkin's: 8teel 55% Lumber 50&10% Miscellaneous, Stanley's 55&10% Starrett's Rules and Straight Edges, Steel 25&10 Sad Irons Chinese Laundry 8 b 44c Crown, Polished 9 doz \$6.50 Crown, Nickel 9 doz \$6.50 Crown, Nickel 9 doz \$6.50 Crown, Nickel 9 doz 7.00 Common 4 to 10 8 b 34@834c COLD HANDLED—	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in. and larger 944c 34 in 934c 44 in 934c 44 and 5-16 in 1044c Rules— Athol, Steel 3344s Boxwood 75&10&10&10 Ivory 85&10&10&10 Lufkin's: 50&10 Steel 50&10 Miscellaneous, Stanley's 50&10 Starrett's Rules and Straight Edges, Steel 25&10 Sad Irons— Chinese Laundry 8 b 44c Crown, Polished 8 doz 36.50 Crown, Nickel 9 doz 7.00 Common 4 to 10. 8 b 34@34c COLD HANDLED— Enterprise Mfg Co. of December 10. 104 c	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in. and larger 944c 25 in 934c 26 in 934c 26 in 1014c Rules— Athol, Steel 3314s Boxwood 75&10&10&10 1vory 85&10&10&10 Lurkin's: 85&10@35&10&10 Lurkin's: 50&10 Steel 50&10 Miscellaneous, Stanley's 50&10 Starrett's Rules and Straight Edges, Steel 25&10 Sad Irons— Chinese Laundry \$10 414c Chinese Sad 34c Crown, Polished \$00z \$6.50 Crown, Nickel \$00z \$6.50 Crown, Nickel \$00z \$0.00 Common 4 to 10. \$10 814@314c Cold Handled— Enterprise Mfg. Co. of Pa 30&5% Self-heating 70 40z \$10.00, 2%	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in. and larger 944c 7-16 in. 934c 10-14 in 9	Atkins; Band 7 to 14 in. Wide	DOOR	Shears
7-16 in. and larger 944c 34 in 934c 34 and 5-16 in 1044c Rules— Athol, Steel 834-8 Boxwood 75&10&10&10 Ivory 85&10@35&10&10 Lufkin's: 50&10 Steel 50&10 Miscellaneous, Stanley's 55&10 Starrett's Rules and Straight Edges, Steel 25&10 Sad Irons— Chinese Laundry \$1 44c Chinese Sad \$34c Crown, Polished \$0x \$4.50 Crown, Nickel \$0x \$4.50 Crown, Nickel \$0x \$4.50 Common 4 to 10. \$1 814@314c COLD HANDLED— Enterprise Mfg. Co. of Pa 30&5% Self-heating, \$10.00, 20% Self-heating, \$10.00, 20% Self-heating, \$10.00, 20% Sensible Nickel \$2.50, 25% Sensible Nickel \$4 dox. \$7.00 Sensible Polished \$4 dox. \$7.00 Sensible Polished \$4 dox. \$7.00 Sensible Polished \$4 dox. 6.50 Sensible, Tailors' \$4 dox. \$7.00 Sensible, Tailors' \$4 dox. \$7.00 Sensible, Tailors' \$4 dox. \$7.00	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in. and larger 944c 7-16 in. 934c 10-14 in 9	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in and larger 944c 7-16 in 934c 10 1044c Rules— Athol, Steel 334/25 Boxwood 75&10&10&10 Ivory. 85&10@35&10&10 Lurkin's: 50&10 Steel 50&10 Steel 50&10 Starrett's Rules and Straight Edges, 5teel 25&10 Starrett's Rules and Straight Edges, 5teel 25&10 Steel 25&10 Sad Irons— Chinese Laundry. \$10 44/25 Crown, Polished \$002 36.50 Crown, Nickel \$002 36.50 Crown, Nickel \$002 30.50 Common 4 to 10. \$10 34/26 Enterprise Mfg. Co. of Pa 30&5/2 Self-heating, Tailors', \$20 dos. \$2.50, 25/2 Sensible Nickel \$002 310.00, 2% Sensible Polished \$002 3.50 Sensible Polished \$002 3.50 Sensible, Tailors', \$20 dos. \$2.50 Sensible, Tailors', \$20 dos. \$3.50	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in and larger 944c 15 in 934c 16 in 934c 16 in 934c 16 in 1014c Rules— Athol, Steel 3314s Boxwood 75&10&10&10 Ivory 85&10&10&5&10&10 Lurkin's: 85&10@35&10&10 Lurkin's: 50&10 Steel 50&10 Steret's Rules and Straight Edges, 8teel 25&10 Sad Irons— Chinese Laundry 60x 34c Crown, Polished 90x 36.50 Crown, Nickel 90x 7.00 Common 4 to 10. \$1 b 314@314c Cold Handled— Enterprise Mfg. Co. of Pa 30&5% Self-heating 90x 25.50 25% Self-heating 90x 25.50 25% Sensible Nickel 90x 25.50 25% Sensible Nickel 90x 30x 35% Sensible Nickel 90x 30x 30x 30x 30x 30x 30x 30x 30x 30x 3	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in and larger 944c 34 in 934c 4 and 5-16 in 1044c Rules— Athol, Steel 38145 Boxwood 75&10&10&10 Ivory 35&10@35&10&10 Lurkin's: 50&10 Miscellaneous, Stanley's 55&10 Starrett's Rules and Straight Edges, 55c Steel 25&10 Sad Irons— Chinese Laundry \$b 44c Chinese Sad \$doz \$6.50 Crown, Nickel \$doz \$6.50 Crown, Nickel \$doz \$6.50 Crown, Nickel \$doz \$6.50 Could Handled Enterprise Mig. Co. of Pa. 80&5% Self-heating \$doz \$10.00, 2% Self-heating \$doz \$10.00, 2% Sensible Nickel \$doz \$2.20, 2% Sensible Nickel \$doz \$7.00 Sensible Polished \$doz \$6.50 Sensible Tailors' \$doz \$2.50 Sensible Nickel \$doz \$7.00 Sensible Polished \$doz \$6.50 Sensible Tailors' \$doz \$7.00	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in and larger 944c % in 984c 14 and 5-16 in 1014c Rules— Athol, Steel 3314x Boxwood 75&10&10&10 Ivory 35&10@35&10&10 Lurkin's: 55&10 Steel 55x Lumber 55&10 Miscellaneous, Stanley's 55&10 Starrett's Rules and Straight Edges, 25&10 Sad Irons— Chinese Laundry \$b 44c Chinese Sad \$00,256.50 Crown, Polished \$00,256.50 Crown, Nickel \$00,7.00 Common 4 to 10 \$b 34@34c COLD HANDLED— Enterprise Mfg. Co. of Pa 30&5% Self-heating, Tailors' \$00, 20% Self-heating, Tailors' \$00, 25.50 Sensible Polished \$00, 25.50 Sensible Polished \$00, 25.50 Sensible Polished \$00, 25.50 Sensible Tailors'	Atkins: Band 7 to 14 in. Wide	Phillips: \$\\$\ \text{dos.}\$ \\ \frac{3}{\lambda} \text{in.} \ \ \text{Style E, Fancy Screen} \\ \text{Doors.} \\ \text{Jonors.} \\ \text{Style G, Common Screen} \\ \text{Doors.} \\ \text{Style G, Common Screen} \\ \text{Doors.} \\ \text{Style K, Fancy Screen} \\ \text{Doors.} \\ \text{Style K, Fancy Screen} \\ \text{Doors.} \\ \text{Style K, Fancy Screen} \\ \text{Doors.} \\ \text{Style K4, Fancy Screen} \\ \text{Doors.} \\ \text{Style Screens.} \\ \text{Style Style Screens.} \\ \text{Style Style Screens.} \\ \text{Style Style Style Screens.} \\ \text{Style Style Style Screens.} \\ \text{Style Style Style Screen Frames.} \\ \text{Style Style Style Style Screen Frames.} \\ Style Sty	Shears
7-16 in and larger 944c 7-16 in 934c 1014c Rules— Athol, Steel 334/2 Boxwood 75&10&10&10 Ivory 85&10@35&10&10 Lurkin's: 50&10 Steel 50&10 Miscellaneous, Stanley's 50&10 Starrett's Rules and Straight Edges, Steel 25&10 Sad Irons— Chinese Laundry \$10.44c Chinese Sad 94c Crown, Nickel 96c Crown, Nickel 96c Common 4 to 10. \$10.25 Self-heating, 74lors', \$20.25 Self-heating, 74lors', \$20.25 Sensible Nickel \$20.25 Sensibl	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in and larger 944c % in 984c 14 and 5-16 in 1014c Rules— Athol, Steel 3314x Boxwood 75&10&10&10 Ivory 35&10@35&10&10 Lurkin's: 55&10 Steel 55x Lumber 55&10 Miscellaneous, Stanley's 55&10 Starrett's Rules and Straight Edges, 25&10 Sad Irons— Chinese Laundry \$b 44c Chinese Sad \$00,256.50 Crown, Polished \$00,256.50 Crown, Nickel \$00,7.00 Common 4 to 10 \$b 34@34c COLD HANDLED— Enterprise Mfg. Co. of Pa 30&5% Self-heating, Tailors' \$00, 20% Self-heating, Tailors' \$00, 25.50 Sensible Polished \$00, 25.50 Sensible Polished \$00, 25.50 Sensible Polished \$00, 25.50 Sensible Tailors'	Atkins: Band 7 to 14 in. Wide	Phillips:	Shears
7-16 in and larger 944c % in 984c 14 and 5-16 in 1014c Rules— Athol, Steel 3814g Boxwood 75&10&10&10% Ivory. 85&10@35&10&10% Lurkin's: 55&10 Steel 55% Lumber 50&10% Miscellaneous, Stanley's 55&10% Starrett's Rules and Straight Edges, Steel 25&10 Sad Irons— Chinese Laundry \$ b 44c Chinese Sad 34c Crown, Polished \$ 00 \$6.50 Crown, Nickel \$ 00 \$6.50 Crown, Nickel \$ 00 \$6.50 Crown, Nickel \$ 00 \$14@34c COLD HANDLED— Enterprise Mfg. Co. of Pa 80&5% Self-heating, Tallors' \$ 00 \$2.50, 26% Sensible Nickel \$ 00 \$2.50, 26% Sensible Nickel \$ 00 \$2.50, 26% Sensible, Tallors' \$ 00 \$2.50, 26% Sensible, Tallors' \$ 00 \$3.50 Sensible Nickel \$	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7:16 in. and larger 944c % in 984c 14 and 5-16 in 1014c Rules— Athol, Steel 3814x Boxwood 75&10&10&10 Ivory. 85&10@35&10&10 Lurkin's: 55&10 Steel 55x Lumber 50&10 Miscellaneous, Stanley's 50&10 Starrett's Rules and Straight Edges, 25&10 Starrett's Rules and Straight Edges, 25&10 Sad Irons— Chinese Laundry \$ b 44c Chinese Sad 700 \$ doz \$6.50 Crown, Polished \$ doz \$6.50 Crown, Nickel \$ doz \$6.50 Crown, Nickel \$ doz \$10.00, 2% Self-heating \$ doz \$10.00, 2% Self-heating \$ doz \$10.00, 2% Self-heating \$ doz \$10.00, 2% Sensible Polished \$ doz \$2.50, 26% Sensible Polished \$ doz \$10.00, 2% Sensible Polished \$ doz \$0.00, 2% Sensible Polished \$	Atkins: Band 7 to 14 in. Wide	Phillips:	Shears
7-16 in and larger 944c % in 984c 14 and 5-16 in 1014c Rules— Athol, Steel 3314x Boxwood 75&10&10&10 Ivory. 35&10@35&10&10 Ivory. 35&10 Ivory. 35&10@35&10&10 Ivory. 35&10 Ivory. 36&10 Ivory. 36&10 Ivory. 36&10 Ivory. 36&10 Ivory. 30&10 Iv	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in and larger 944c 34 in 934c 4 and 5-16 in 1044c Rules— Athol, Steel 3814s Boxwood 75&10&10&10 Ivory 85&10@35&10&10 Lurkin's: Steel 555 Lumber 50&10 Miscellaneous, Stanley's 55&10 Starrett's Rules and Straight Edges, 25&10 Starrett's Rules and Straight Edges, 25&10 Sad Irons— Chinese Laundry \$ b 44c Chinese Sad 9 doz 36.50 Crown, Nickel 9 doz 36.50 Crown, Nickel 9 doz 36.50 Crown, Nickel 9 doz 36.50 Cold Handled Enterprise Mfg. Co. of Pa. 30&55 Self-heating 9 doz 310.00, 2% Self-heating 9 doz 30.00 Self-heating 9 doz 30.00 Sensible Nickel 9 doz 32.00, 2% Sensible Nickel 9 doz 50.00 Sensible Polished 9 doz 6.50 Sensible, Tailors' 9 doz 50.00 Sensible, Tailors' 9 doz 70 Sensible Nickel 9 doz 50.00 Sensible Nickel 9 doz 50.00 Sensible Polished 9 doz 6.50 Sensible, Tailors' 9 doz 50.00 Sand and Emery Paper and Cloth— Baeder, Adamson & Co.'s: Emery Cloth 50&10% Sand and Emery Paper 50&10% Sash Balances— Caldwell Mfg. Co. 50% Sash Chain— Competition 50&10%	Atkins: Band 7 to 14 in. Wide	Phillips:	Shears
7-16 in and larger 944c % in 934c % in 934c kand 5-16 in 1014c Rules— Athol, Steel 3314s Boxwood 75&10&10&10 Ivory. 35&10@35&10&10 Lurkin's: 50&10 Miscellaneous, Stanley's 55&10 Starrett's Rules and Straight Edges, 50&10 Starrett's Rules and Straight Edges, 50&10 Sad Irons— Chinese Laundry. % b 444c Chinese Sad 846c Crown, Polished. \$40x. \$6.50 Crown, Nickel. \$40x. \$6.50 Crown, Nickel. \$40x. \$6.50 Crown, Nickel. \$40x. \$6.50 Crown, Nickel. \$40x. \$6.50 Enterprise Mfg. Co. of Pa 30&55 Self-heating, Tailors' \$40x. \$2.50, 255 Sensible Nickel. \$40x. \$2.50, 255 Sensible Nickel. \$40x. \$2.50, 255 Sensible Polished \$40x. \$6.50 Sensible, Tailors' \$40x. \$6.50 Sensible, Tailors' \$70x. \$60x. \$7.00 Sensible, Tailors' \$70x. \$60x. \$7.00 Sand and Emery Paper and Cloth- Cloth- Baeder, Adamson & Co.'s: Emery Cloth 50&10 Garnet Paper 30@30&55 Sand and Emery Paper Sash Balances— Caldwell Mfg. Co. 50x Sash Chain— Competition Competition Competition Monarch 40x Monarch	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in and larger 944c % in 984c 14 and 5-16 in 984c 1014c Rules Athol, Steel 3814g Boxwood 75&10&10&10 Ivory 85&10@85&10&10 Ivory 85&10@85&10&10 Ivory 85&10@85&10&10 Ivory 85&10 85&10@85&10&10 Ivory 85&10 85&10 Ivory 85&10 85&10 Ivory 85&10 I	Atkins: Band 7 to 14 in. Wide	Phillips:	Shears
7-16 in and larger 944c % in 984c 14 and 5-16 in 984c 15 and 5-16 in 984c 16 and 5-16 in 984c 17 and 5-16 in 985c 10 and 5-16	Atkins: Band 7 to 14 in. Wide	DOOR	Shears
7-16 in and larger 944c % in 984c % in 984c ka and 5-16 in 1014c Rules— Athol, Steel 3814g Boxwood 75&10&10&10% Ivory. 85&10@35&10&10% Lurkin's: 55&10@35&10&10% Lurkin's: 55&10 Miscellaneous, Stanley's 55&10% Starrett's Rules and Straight Edges, Steel 25&10 Sad Irons— Chinese Laundry \$ b 44c Chinese Sad 36c Crown, Polished \$ dox \$6.50 Crown, Nickel \$ dox \$6.50 Crown \$ dox \$7.00 Common 4 to 10 \$ dox \$10.00, 20% Self-heating, Tailors' \$ dox \$2.50, 25% Sensible Nickel \$ dox \$7.00 Sensible Polished \$ dox \$6.50 Sensible Nickel \$ dox \$7.00 Sensible Polished \$ dox \$6.50 Sensible Nickel \$ dox \$7.00 Sensible Polished \$ dox \$6.50 Sensible Polished \$ dox \$6.50 Sensible Nickel \$ dox \$7.00 Sensible Polished \$ dox \$6.50 Sensible Nickel \$ dox \$7.00 Sensible Polished \$ dox \$6.50 Sensible Nickel \$ dox \$6.50 Sensible Nickel \$ dox \$6.50 Sensible Polished \$ dox \$6.50 Sensible Nickel \$ dox \$6.50 Sensible	Atkins: Band 7 to 14 in. Wide	DOOR- Phillips:	Shears
7-16 in and larger 944c % in 984c 14 and 5-16 in 1014c Rules— Athol, Steel 331/45 Boxwood 75&10&10&10 Ivory. 35&10@35&10&10 Lurkin's: 55&10 Steel 55% Lumber 50&10 Miscellaneous, Stanley's 55&10 Starrett's Rules and Straight Edges, 25&10 Starrett's Rules and Straight Edges, 25&10 Sad Irons— Chinese Laundry \$ b 44c Chinese Sad 700 Common 4 to 10. \$ doz. \$6.50 Crown, Polished \$ doz. \$6.50 Cold Handled— Enterprise Mfg. Co. of Pa. 30&5% Self-heating \$ doz. \$10.00, 2% Self-heating \$ doz. \$2.00, 26% Sensible Polished \$ doz. \$0.00 Sand and Emery Paper and Cloth— Baeder, Adamson & Co.'s: Emery Cloth 50&10% Sand and Emery Paper 50&10% Sash Balances— Caldwell Mfg. Co. 50% Sash Chain— Competition 50&10% Giant. 40% Monarch 40&10% Seah Cord— Cable Laid Italian 20 4000 Sash Chain— Cable Laid Italian 20 4000 Cable Laid Italian 20 40000 Cable Laid Italian 20 40000 Cable Laid It	Atkins: Band 7 to 14 in. Wide	DOOR	Shears

HARDWARE

Shovels and Spades—	SILVER PLATED FLAT WARE—	8wedes Iron Tacks: 90&10&10\$	Nellia Forkeach, 1.60 New Myers Iron Rod Car 8.25
Association prices to small trade.	L. Boardman & Son Catalogue " C " net List	Bill Posters' and Rallroad Tacas:	Reed Wood Frame Pulley with
No. 2, Polished, Square or Round Point, D or L Handle:	" 1847 "	S. S	Rev. Car., Double Steel Track 6.50
1st Grade. 2d Grade	"Anchor" 50&10% "Eagle" 50&10% "Star" 50&10%	Finishing Nails	Rone Hitch
Plain Back \$10.50 \$9.60 Strap Back 9.90 9.00	Rogers, Smith & Co	S. S	Single Rail Car, Single Steel T 3.50 Single Rail Steel Track with sections
Cleveland Pattern, 10.20 9.80 C3, D4,	Rogers & Hamilton	Lace Tacks: 90&40%	Sprout's Shear Fork, each
8d Grade, 4th Grade Plain Back \$8.70 \$8.10	German Silver, unplated50%	Looking Glass Tacks	Steel Frame Pulley with Iron Sheave, Fig. 565, & doz 1.85
Strap Back	KNIVES AND FORKS NO. 12-	S. S	Sure Grip Sling Car, Steel or Wood Track
All other sizes, add Suc. doz.	* doz. net.	Steel, Black	Walker Fork, each
Black, deduct 80c. doz.	"1847"	Upholsterers's Tacks:	Windfat Italian Discount & section 1
Shovels and Tongs-	"Anchor" 8.25 "Eagle" 8.25 "Star" 8.25	8. 8	Transom Lifters—
Brass Head	Rogers & Hamilton	MISCELLANEOUS-	Ajax
Tron Head60&10@60&10&5%	Holmes & Edwards 8.00	Double Point, in dozens,	Bronze Metal, with Safety Spring 50@50&10%
	Out makes and	90&10&10&10&10&10 Double Point in bulk	Crescent
Shutter Bars— (ves'	Springs See Door Springs.	Matting	Nickel Plated 50&10%
THE CONTRACTOR OF THE CONTRACT	Dec Door Springs.	Shade, in bulk80%	Payson's Solid Grip, Nos. 303 and 804, ∌ 100
Shutter Bolts-	Spring Balances		Shaw's: Copper Finished80&10%
See Bolts, Shutter.	See Balances.	Tack Pullers -	Copper Finished
	a data a Thanas	Columbia, No. 1, \$\pi\$ doz., net\$1.00 Columbia, No. 2, \$\pi\$ doz., net 1.50	
Sifters, Flour—	Spring Hinges	Columbia, No. 2, \$\pi\$ doz., net 1.50 Little Jack \$\pi\$ doz., 1.00	Traps—
Hunter's Genuine gross, \$10@\$11.50	See Hinges.		FLY-
	Squares—	Tapes, Measuring—	Balloon \$\pi \doz. \$1.25, \$\pi \text{gro. \$12.00} Globe \$\pi \doz. 1.25, \$\pi \text{gro. } 12.00
Skate Sharpeners	Disston's Try Square and T Bevels,	American Asses' Skin40&10@50% Leather Case25@25&10%	Harper & doz. 1.40, & gro. 15.00
Eureka ♥ doz. \$1.75; ♥ gro. \$18.00	Starrett's Micrometer Caliper Squares,		GAME
Slaw and Kraut Cutters-	Try Square and T Bevel60&10	Chestermans	Star Blake's Pattern 60&10&10%
Distanta	Winterhettem's Try and Mitre 40&10%	Steel and Metallic	Enterprise Mole
Disston's: Slaw, Vegetable, Corn Grater, Tur-	Nickel-Plated. New List Jan. 5,		Newhouse
Siaw, Vegetable, Corn Grater, Tur- nip Shredder	1900	Tap Borers—	VICTOR
Kraut Cutters, 86x12, 40x1840% Enterprise25@30%	•	See Borers, Tap.	MOUSE AND RAT-
Enterprise	Staples—		Erie Rat 40@40&10%
Tucker & Dorsey: 1 Knife # gro. \$16.50@\$20.00	Barbed Blind—14, 54, and 34 inch, \$16	Taps-	Hotchkiss: Metallic Mouse 50%
2 Knives		American Screw Co.: Machine Screw	Improved Rat
Woodrough & McParlin40%		Holroyd & Co. 8:	New Rat
and the second Wasan Wasan	Same price as Barb Wire. See Trade Report.	Machine Screw	Mouse, Catch-'em-alive, # doz.\$2.50, 15% Mouse, Delusion
Sledges and Heavy Hammers-	20070111	Pipe, 2 to 4	Mouse, Ideal, # gro
See Hammers.	Stay Rollers-	Pipe, 2 to 4	Mouse, Wood, Choker, & doz. holes,
Slicers	Cronk's, No. 50	Thumb Latches—	Marty French Rat and Mouse Traps
Vegetable, Enterprise25%	" No. 60		(Genuine): No. 1, Rat, each \$1.18, #doz\$12.00
4 og comoto, amorphiso	" No. 6560&10%	Oct Handress	No. 8, Rat, \$ doz., \$6.00; case 5,25
Smiths' Bellows-	Stoels—	Tinware-	No. 816, Rat, & doz., \$4.75; case
See Bellows.	Chatilion's	Stamped, Japanned and Pieced, Net Prices.	No. 4, Mouse, # doz., \$3.50; case of 72.
		2001210001	
Snaps, Harness, &c.—	Stocks and Dies.	Tire Bolts—	Case of 150
Anchor (T. & S. Mfg. Co.)		See Bolts.	Schuyler Rat Klier, No. 1, 9810., \$15.00; No. 2, 9870
Fitch's: Bolt45	Holpovil & Co	Tobacco Cutters—	Smith & Egge Mfg. Co.: \$\pi\$ dox. Superior Rat Trap
Bristol40&10	i e	Notional Specialty Co	
A0			Vankee Mouse Trap
Champion	BLACKSMITE'S—	Enterprise Mig. Co	Yankee Mouse Trap 5.50 Yankee Rat Trap 11.00
Champion	BLACKSNITE'S— Butterfield's	Enterprise Mfg. Co	Yankee Mouse Trap
Champion	BLACKSMITH's— Butterfield's	Enterprise Mfg. Cozogoos Toilet Clippers—	Yankee Mouse Trap
Champion	BLACKSMITH'S— Butterfield's	Enterprise Mfg. Cozogoos Toilet Clippers—	Yankee Mouse Trap
Champion	BLACKSMITH'S— Butterfield's	Toilet Clippers— See Clippers. Trammel Points—	Yankee Mouse Trap
Champion	BLACKSMITE'S— Butterfield's	Toilet Clippers— See Clippers. Trammel Points—	Yankee Mouse Trap
Champion	BLACKSMITH'S— Butterfield's	Enterprise Mfg. Co	Yankee Mouse Trap
Champion	BLACKSMITH'S— Butterfield's	Enterprise Mfg. Co	Yankee Mouse Trap
Champion	BLACKSMITH'S— Butterfield's	Enterprise Mfg. Co	Yankee Mouse Trap. 3.00 Yankee Rat Trap. 11.00 Trowels— Brade's Brick. 30% Disston's: Brick and Pointing. 30% Plastering. 35% "Standard Brand" and Garden. 40% C. E. Jennings & Co.: Brick. 30% Plastering. 25% Pointing. 30% W. & MOP. Plastering. 25% Proceedings 30% W. & MOP. Plastering. 25% Proceedings 35% Proceedings 35% Brick. 35% Proceedings 35% Brick. 35% Brick. 35% Proceedings 35% Brick. 35% Brick
Champion	BLACKSMITE's— Butterfield's	Enterprise Mfg. Co	Yankee Mouse Trap 3.00 Yankee Rat Trap 11.00 Trowels— 30% Brade's Brick 30% Dieston's: 30% Brick and Pointing 26% "Standard Brand" and Garden 40% C. E. Jennings & Co.: 80% Brick 25% Plastering 25% Pointing 25% Peace's Plastering 25% Peace's Plastering 25% Peace"s Plastering and Mould
Champion	BLACKSMITH'S— Butterfield's	Reterprise Mfg. Co.	Yankee Mouse Trap. 3.00 Yankee Rat Trap. 11.00 Trowels— Brade's Brick. 30% Disston's: Brick and Pointing. 30% Plastering. 35% "Standard Brand" and Garden. 40% C. E. Jennings & Co.: Brick. 30% Plastering. 25% Pointing. 30% W. & MOP. Plastering. 25% Proceedings 30% W. & MOP. Plastering. 25% Proceedings 35% Proceedings 35% Brick. 35% Proceedings 35% Brick. 35% Brick. 35% Proceedings 35% Brick. 35% Brick
Champion	BLACKSMITE's— Butterfield's	Enterprise Mfg. Co	Yankee Mouse Trap. 3.00 Yankee Rat Trap. 11.00 Trowels— Brade's Brick. 30% Disston's: Brick and Pointing. 26% "Standard Brand" and Garden. 40% C. E. Jennings & Co.: Brick. 30% Plastering. 25% Pointing. 25% Pointing. 25% Peace's Plastering. 25% Rose "Brick, Plastering and Mould- ers. 25&5%
Champion	BLACKSMITH'S— Butterfield's	Enterprise Mfg. Co	Yankee Mouse Trap. 3.00 Yankee Rat Trap. 11.00 Trowels— Brade's Brick. 30% Disston's: Brick and Pointing. 30% Plastering. 25% "Standard Brand" and Garden. 40% C. E. Jennings & Co.: Brick. 30% Plastering. 25% Pointing. 25% Pointing. 30% W. & MCP. Plastering. 25% Peace's Plastering. 25% Peace's Plastering. 25% Peace's Plastering and Moulders. 25% Vegetable Slicers—
Champion	BLACKSMITH'S— Butterfield's	Reterprise Mfg. Co	Yankee Mouse Trap. 3.00 Yankee Rat Trap. 11.00 Trowels— Brade's Brick. 30% Disston's: Brick and Pointing. 30% Plastering. 26% "Standard Brand" and Garden. 40% C. E. Jennings & Co.: Brick. 30% Plastering. 25% Pointing. 26% Pointing. 26% W. & MCP. Plastering. 25% Peace's Plastering. 25% "Rose" Brick, Plastering and Moulders. 25% Vegetable Slicers— Enterprise Mfg. Co. 25%
Champion	BLACKSMITH'S— Butterfield's	Reterprise Mfg. Co	Yankee Mouse Trap. 3.00 Yankee Rat Trap. 11.00 Trowels— Brade's Brick. 30% Disston's: Brick and Pointing. 30% Plastering. 26% "Standard Brand" and Garden. 40% C. E. Jennings & Co.: Brick. 30% Plastering. 25% Pointing. 26% Pointing. 26% W. & MCP. Plastering. 25% Peace's Plastering. 25% "Rose" Brick, Plastering and Moulders. 25% Vegetable Slicers— Enterprise Mfg. Co. 25%
Champion	BLACKSMITE'S— Butterfield's	Backus and Union	Yankee Mouse Trap
Champion	BLACKSMITE'S— Butterfield's	Backus and Union	Yankee Mouse Trap
Champion	BLACKSMITH'S— Butterfield's	Backus and Union	Yankee Mouse Trap
Champion	BILACKSMITE'S— Butterfield's	### Records	Yankee Mouse Trap
Champion	BLACKSMITE'S— Butterfield's	### Records	Yankee Mouse Trap. 3.00 Yankee Rat Trap. 11.00 Trowels— Brade's Brick. 30% Dieston's: 30% Plastering. 25% "Standard Brend" and Garden. 40% C. E. Jennings & Co.: 30% Plastering. 25% Pointing. 25% Pointing. 25% Peace's Plastering. 25% Peace's Plastering. 25% Peace's Plastering and Moulders. 25% Vegetable Slicers— Enterprise Mfg. Co. 25% Vises— Solid Box 40&10@50% V. W. & W. 40% Fisher-Norris 15&10% Armstrong's: Combination 50% Plain and Hinge. 60% Athol. Val Slide. 60% Athol. Oval Slide. 60% Athol. Oval Slide. 60%
Champion	BLACKSMITH'S— Butterfield's	### Tracks ### ### ### ### ### ### ### ### ###	Yankee Mouse Trap
Champion	BLACKSMITH'S— Butterfield's	Enterprise Mfg. Co	Yankee Rat Trap
Champion	BLACKSMITH'S— Butterfield's	Enterprise Mfg. Co	Yankee Mouse Trap
Champion	BLACKSMITE'S— Butterfield's	Buterprise Mfg. Co	Yankee Rat Trap. 3.50 Yankee Rat Trap. 3.50 Yankee Rat Trap. 3.50 Trowels— Brade's Brick. 30% Disston's: Brick and Pointing. 30% Plastering. 35% "Standard Brand" and Garden 40% C. E. Jennings & Co.: Brick. 30% Plastering. 25% Pointing. 25% Pointing. 25% Pointing. 25% Peace's Plastering. 25% **Rose" Brick, Plastering and Moulders. 25% Vegetable Slicers— Enterprise Mfg. Co. 25% Vises— Solid Box 40&10@50% V. W. & W. 40% Fisher-Norris. 15&10% Armstrong's: Combination. 50% Athol, Oval Slide. 60% Adams, Dlamond. 40% Bonney's Champion. 40% Fisher & Norris Double Screw. 15% Bolland's 40% Howard's. 40% Little Giant Bench. 25&10% Lovell Hand. 38% Lovell Hand. 38% Lovell Hand. 38% Lovell Hand. 38%
Champion	BLACKSMITH'S— Butterfield's	Buterprise Mfg. Co	Yankee Rat Trap. 3.50 Yankee Rat Trap. 3.50 Yankee Rat Trap. 3.50 Trowels— Brade's Brick. 30% Disston's: Brick and Pointing. 30% Plastering. 35% "Standard Brand" and Garden 40% C. E. Jennings & Co.: Brick. 30% Plastering. 25% Pointing. 25% Pointing. 25% Pointing. 25% Peace's Plastering. 25% **Rose" Brick, Plastering and Moulders. 25% Vegetable Slicers— Enterprise Mfg. Co. 25% Vises— Solid Box 40&10@50% V. W. & W. 40% Fisher-Norris. 15&10% Armstrong's: Combination. 50% Athol, Oval Slide. 60% Adams, Dlamond. 40% Bonney's Champion. 40% Fisher & Norris Double Screw. 15% Bolland's 40% Howard's. 40% Little Giant Bench. 25&10% Lovell Hand. 38% Lovell Hand. 38% Lovell Hand. 38% Lovell Hand. 38%
Champion	BILACKSMITE'S— Butterfield's	Beterprise Mfg. Co	Yankee Mouse Trap



Millers Falls: Mechanics'net@10#	Wire Gauges—	Wrenches-	Boardman's
Oval Slide50&10%	See Gauges.	Agricultural70&10@75%	Coes':
Ball Clamp		Aiken's Pocket (Bright)\$2.00@\$8.20	Genuine
Gravitynet	Wire and Wire Goods-	Alligator70s	" Mechanica' " 40&10&10&5&
Hand		Baxter's60&10% Bemis & Call's:	Coes' Pattern, Wrought Bar60&5@
doore's	Brass Wire	Brigge Pattern30&10%	60&1
rentiss20@254	Bright Wire Goods, New List 85 & 10% Cast Steel Wire	No. 9 Cylinder	Donohue's Engineer
argent's40z	Copper Wire	No. 8 Pipe, Bright50%	Eagle Pipe
impson's Adjustable	Anuealed and Tinned on Spools 70x	Patent Combination Black 40&5% Patent Combination Bright 40%	Gem
tephens 25@83144 renton 40@40&54	Brass and Copper on Spools	Bicycle:	Stillson Pipe
Vright's Pipe40%	Spooled Wire, ase'd for Retailing 70%	Club40%	Acme60@604
	Market Wire, Bright and Annealed: Nos. 6 to 9	Superior40%	Bull Dog
SAW FILERS-	Nos. 10 to 18	Featherweight40%	Herchies 2
	NOS. 19 to 26	Protection40%	J. H. Williams & Co
onney's No. 2, \$15.0040&10@50% incinnati	Nos. 27 to 86	PAINTS OHS	AND COLORS.
tearns Com. No. 0, 1, 2 and 8,	Coppered and Galvanized: Nos. 6 to 9	•	
K0@K0.8:10€	Nos. 10 to 18	Oils-	Spirits Turpentine—
tearns Rubber Jaw, Nos. 10 and 88,	Nos. 19 to 28	Linseed, City, Raw, in barrels, ♥ gal. 61c	In regular bbls
7entworth's	Nos. 27 to 36	Linseed, City, Boiled, in barrels,	In machine bbls 41
disworted 840%	Tinned:	₩ gal. 63c	D 6 1
	Nos. 6 to 14	Out of Town on Spot # gal. 61c	Dry Colors
Wads-	Nos. 19 to 26	Calcutta, Raw, in barrels gal. 85c	Blue, Chinere
e Ammunition.	Nos. 27 to 36	Lard, Prime City \$\mathbb{P} gal. 72@74c	Blue, Prussian88 @88
· · · · · · · · · · · · · · · · · · ·	Picture Wire, List of Oct. 2, 1900		Dina Titanamania
	85@85&10¢	Extra, No. 1	Blue, Ultramarine 6 @30
Wagon Jacks-	Steel Music Wire, Nos. 12 to 30, Imported	No. 145@46c	Sienna, Italian, burnt &
overt Mfg. Co.'s, Steel48%	Stub's Steel Wire\$6.00 to £ 38145	Defeate and Calana	powdered
ine's Steel 3814&5%		Paints and Colors—	Sienna, Italian, raw &
7,0	Wire Clothes Lines-	Barytes, Foreign Floated, \$\varphi\$ ton,	powdered 8 @ 7
Washer Cutters-	See Lines.	\$20.00@\$21.00	Umber, Turkey, burnt 214@ 814
	See Lines.	Barytes, American Floated, \$\varphi\$ ton,	Umber, Turkey, raw 214@ 81
tis A. Smith's20&10&10\$	Wire Cloth, Netting, &c	\$19.00@ \$30 ,00	Green, Chrome, Ordinary 5 @ 7
	• • • • • • • • • • • • • • • • • • • •	Barytes, Crude \$\pi\$ ton 9.00@ 10.00	Green, Paris, in bulk15 @16
Well Wheels—	Galvanized Wire Netting 80&10@80&20%	White Lead, American, Dry, in bbls.	Indian Red, American 2142 8
panned, 8 to 14 inches70%	Painted Screen Cloth, good quality, \$ 100 sq. ft. \$1.00@1.10	₩ b. 6@614°	Indian Ded Bartlet 2946 8
	4 100 sq. 1t. \$1.00@1.10	White Lead, American, in Oil, in lots	Indian Red, English 414@ 814
Weed Extractors—	Wire Rope-	of less than 500 lbs \$ lb. net 7c	Colors in Oil-
-			Black Lampblack, best 18 @15
Pastime " # doz. \$1.75 net	New List July 1, 1899.	In lots of 500 hs. and over 9 h. 614c	Black Lampblack, common. 8 @10
	Cast Steel	White Lead, Foreign, in Oil. \$ 15.8@91/sc	Blue, Chinese
Window Cleaners—	Iron, Galvanized25&10%	Litharge, Kegs \$ 15.614@7c	
The Mr. Co		Zinc, American, Dry 15 15. 41/4@51/4c	Blue, Prussian
rnes Mfg. Co	Wire Rope Clips-	Putty-	Blue, Ultramarine 14 @18
200103			Sienna, burnt11 @18
Window Stop Adjusters	Crosby 25%	In bulk	Sienna, raw
	Wire Stretchers-	In cans, 50 b 2.00	Umber, burnt11 @18
es' New List		In cans, 25 b	Umber, raw
uvilia : refrection " Kod	W. C. Heller's Grip \$\pi\$ doz. \$1.50	In cans, 1214 h	Brown, Vandyke11 @13

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Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Rakes

Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Ft. Madison, Ia.

Lawn Sprinklers.

Smith & Hemenway Co. New York.

Lawn Sweepers.

Greene Mfg. Co., Springfield, O.

Lawn Tools.

Geneva Tool Co., Geneva, O.

Bruce & Cook, New York. Colwell Lead Co., New York.

Lead Pencils.

Joseph Dixon Crucible Co., Jersey City. N. J.

Lead Pipe.

Colwell Lead Co., New York.

Lemon Squeezers.

Berger Bros. Co., Philadelphia. Krie Specialty Co., Erie, Pa. John H. Graham & Co., New York. Smith & Hemenway Co., New York. John Sommer's Son, Newark, N. J.

Stanley Rule & Level Co., New York. Tower & Lyon, New York.

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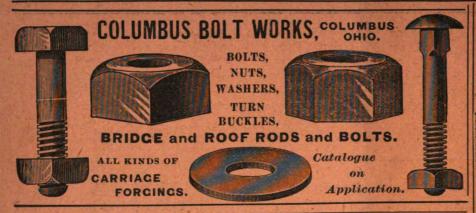
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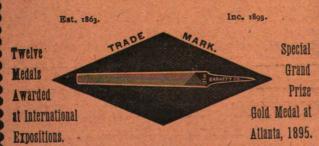
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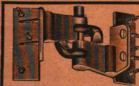
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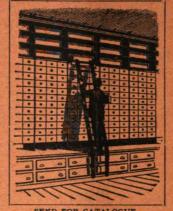
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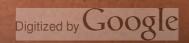


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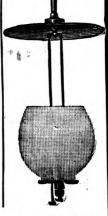


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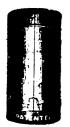
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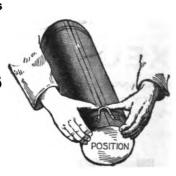
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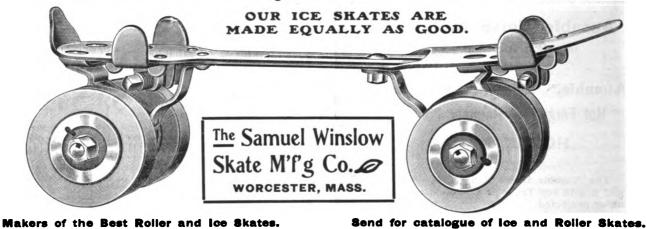
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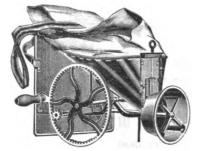
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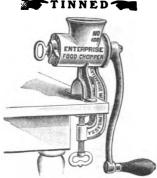




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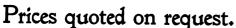


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WOOD and STEEL WHEELBARROWS,

CONTRACTORS' PLOWS, DRAG AND WHEEL SCRAPERS, HAND CARTS.

STORE AND WAREHOUSE TRUCKS, STEEL SKIPS.

BEFORE PLACING YOUR ORDER SEND FOR No. 9 J. CATALOGUE AND P







The Best Water Purifier

EAGLE WATER STILL.

Health & Comfort Supply Mfg. Co., Dpt. 0, CINCINNATI, 0.



Tip-Top?"

Daus' "Tip-Top" is the latest Duplicator for printing 100 copies from one pen-written original and 50 copies from type-written.

Price for complete apparatus, size No. 1, \$7.50, subject to the trade discount of 33 1-3 per cent, or \$5.00 net.

If interested cut out the following coupon:

The FELIX F. DAUS DUPLICATOR CO., 5 Hanover St., New York.

Please send for practical trial for 10 days from receipt of goods, via express, one Complete "Tip-Top" Dupli-cator, No. 1. In case the apparatus is not found entirely satisfactory in every respect it will be returned to you.

Name ...

Address ...



SOME 66 ANKEE" TOOLS



"Yankee" Ratchet Screw Driver, No. 12.

Made for special use of Gunsmiths, Fitters, Electricians and Mechanics requiring a strong, substantial screw driver with a short stub blade.

Made in one size only: Blade 5-16 diameter, 11/8 long, entire length of Screw Driver 51/4 ins.



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"Yankee" Tool Book mailed free on application to

"YANKEE" **TOOLS** ARE SOLD BY LEADING **JOBBERS** OF TOOLS AND HARDWARE.

NORTH BROS. MFG. CO.,

New York Agents, John H. Graham & Co., 113 Chambers St.

PHILADELPHIA, PA.

AGENCY JOSEPH RODGERS & SONS, LTD. THE BEST 18 EVER AND ALWAYS CHEAPEST.

The merchant can recommend with confidence. The consumer will report superiority. Excellence will insure enlarged demand. Satisfaction will leave no ground for complaint.

Why, then, sell inferior Cutlery when

THE VERY BEST. be had at a small adva QUALITY?

FOR CENTURIES THE WORLD RENOWNED HOUSE OF JOSEPH RODGERS & SONS, LTD.,

SHEFFIELD, ENGLAND,

Has had neither equals nor superiors in the manufacture of

CARVING KNIVES and FORKS, TABLE CUTLERY, SCISSORS,

RAZORS, HUNTING and BOWIE KNIYFS POCKET CUTLERY, &c.



Is among the oldest, and now over 200 YEARS old. It is known the world over as a guarantee that all articles so stamped are absolutely superior to all others.

We are the sole agents in the United States for JOSEPH RODGERS & Sons and carry a full line of their manufactures in stock.

of their manufactures in stock.

If you cannot procure goods of their make from your jobber we shall be pleased to supply full the formation on application.

ALFRED FIELD & CO.,

93 Chambers Street, New York.

THE F. B. SHUSTER GO.,

NEW HAVEN, CONN.

Manufacturers of

SPECIAL AUTOMATIC WIRE AND METAL WORKING MACHINERY

Reli and Rotary Wire Straighteners. Butt Drilling Machinery. Butt Milling Machinery. Automatic Wire Straightening and Gutting Machinery. Riveting Machines. Foot Presses. Sprue Gutters. Etc., Etc.

WRITE FOR ILLUSTRATED CATALOGUE AND PRICES.





LARGEST ASSORTMENT. ALL GRADES OF GRIT. NEAT APPEARANCE. FINE GOODS. QUICK SELLERS.

The Cleveland Stone Co., Hickox Bldg., Cleveland, Ohio.

9**03**9999**099999999999**



IT IS A PERFECT LITTLE TOOL WELL MADE AND DOES QUICKLY ALL WE CLAIM FOR IT. BLADE BEING ADJUST ABLA IT WILL OPEN ANY CAN FROM 2 TO 4 INCHES IN DIAMETER.

SAMPLE 25 CENTS, POST PAID. MONEY REPUNDED IF NOT SATISFACTORY

CORRESPONDENCE SOLICITED WRITE FOR PRICE LIST

MAMUPACTURED BY

CHARLES F. HOPPER GERMANTOWN, PENNA.

Don't say that you haven't the time to attend to your advertising properly. Really, you haven't time to do anything else. Advertising is the most important thing about any business. What good does it do you to have the very best thing or the very greatest bargain on earth if people do not knew it?





COATES CLIPPER MFG. CO

Worcester, Mass., U. S. A. MAKERS OF

Hair Clippers

ALL KINDS UNDER THE COATES PATENTS. Power Clippers. both hand & mechanical Anti-Friction Horse Clippers. Barbers Adjustable, The best made

--- SEND FOR CATALOGUE .-:-



OARRIAGE REQUISITES.

FRANK MILLER'S

Carriage Top Dressing & &

Gives an Elastic, Durable Waterproof Gloss, and is positively safe to use on the finest stock.





FRANK MILLER'S AXLE OIL.

Superior to Castor Oil; lasts longer and will not gum. Manufactured by

FRANK MILLER CO., 249 & 35| West 26th Street, NEW YORK.

Howard Iron Works. BUFFALO, N. Y.



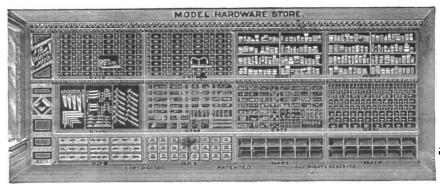
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Price Lists Sent on Application.



MAKE YOUR STOCK SELL ITSELF.

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SECAUSE WE MADE IT SO.

EXPERT DESIGNERS OF HARDWARE SHELVING.

Hassels Tomple. J. D. WARREN MFG. CO., CHICAGO, U. S. A.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

NEW YORK OFFICE:

OC Chambers St.

NOT CONNECTED WITH ANY SHEAR COMBINATION.

IWANS' CHAMPION CONCAVE DRAIN CLEANERS

The most Convenient and Substantial Tools on the market for fluishing Tile Ditches. Two styles. Adjustable and Stationary. The Adjustable is here illustrated.



IMPORTANT!

These tools, like the Iwan Patent Improved Post Hole Augers, are also cheaply imitated. If you want the best, buy "IWAN'S."

FOR SALE BY THE JOBBING TRADE.

complete Illustrated Circular of our full line and Prices address the mfrs.

NAN BROS.,

STREATOR, H.L.

THE FANNER MFG. CO., CLEVELAND OHIO.

MADE OF FIRST-CLASS MATERIAL AND NICELY FINISHED .- EITHER TINNED OR JAPANNED.

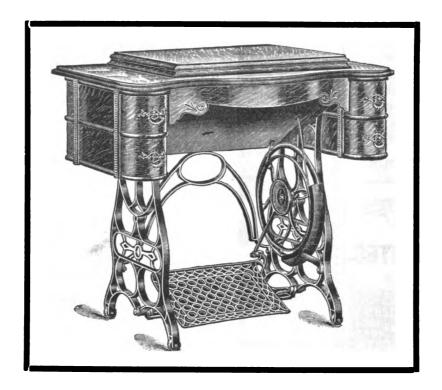
ASK FOR OUR CATALOGUE OF HARDWARE SPECIALTIES, ARCTIC STOVE TRIMMINGS, ETC.





ONE OF OUR LATEST STYLES.

IT IS SUCH GOODS AS THESE THAT MAKE BUSINESS.



HE above cut illustrates our new swell front drop head sewing machine, which is equipped with our unequalled ball bearing stand. Nothing at all approaching this style of machine in elegance, attractiveness and convenience has ever been produced. The design (patented and controlled by ourselves) is distinctive, new and incomparably superior to anything else on the market, and marks the most advanced ideas in sewing machine construction. The beauty of the design can be only imperfectly shown by the cut. The long graceful curve of the table front and centre drawer with the rounded corners and round front end drawers bring out the grain of the woods most beautifully and are in line with the design of latest models of high-grade household furniture. Only the choicest selected patterns of Oak, Walnut, 'Sycamore and Mahogany are used, and the workmanship and finish are of a superior order. Very handsome bronze drawer pulls add to the richness and elegance of the effect, the whole resulting in a symmetrical completeness far beyond any former production in the Sewing Machine World.

@ @ CORRESPONDENCE SOLICITED @ @

New York Chicago San Francisco BELVIDERE # ILLINOIS

New York Chicago San Francisco



IT IS NEW

Fits any window, fits it closer than a screen made to order and looks just as well, though it costs only half as much.

The dealer who expects a profitable screen business next season, cannot afford to be without the **VERMONT**.

REMEMBER:

Porter Screens are the Best Made

The Vermont is the best Porter Screen.

Write for our new catalogue of screens for doors and windows. It contains many new designs.

PORTER SCREEN MANUFACTURING CO., Burlington, Vt.

THE G. DROUVE COMPANY, BRIDGEPORT, CONN.



 Metal Skylights Ventilators. Finlals.

Cornices and Sheet Metal Work of every description. Send for catalogue.

ESTABLISHED 1872. The R. Woodman Mig. & Supply Co.

Railway and Mill Supplies.

and for Catalo

68 Oliver St., Boston, Mass., U.S. A

Established

ALFRED FIELD & CO..

93 Chambers and 75 Reade Streets, New York. Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

TOSEPH RODGERS & SONS, LIMITED, BEST CUTLERY IN THE WORLD, PEUGEOT FRERES, COATES CLIPPER MFG. CO. ELEY BRUS., LIMITED, L. HUGONIOT TISSOT, ISAAC GREAVES, W. K. & C. PEACE, R. & J. LINACRE, WEBSTER & HORSPALL,

CAPS, WADS, CARTRIDGE CASES, ETC.
FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
SHEEP AND GARDEN SHEARS.
GRASS HOOKS, SCYTHES AND STRAW KNIVES.
GRASS HOOKS, SICKLES, ETC.
PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of the following brands of Cutlery. ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY Co., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.,

THE OGDEN Automatically Regulated

LIQUID DOOR CHECK AND SPRING.



Easily Applied. Positively Regulated.

The simplest and strongest Check made. All main working parts are of Steel, Drop Forged and Case Hardened.

The ONLY CHECK that FULLY CONTROLS the DOOR. 15,000 in Use. Put in your Stock Early. Full Descriptive Catalogue.

The Ogden Mfg. Co., NEWARK, N. J.

REMINGTON-LEE SPORTING RIFLE



Without an equal for Long Range Target and Big Game Shooting.

Frank H. Hyde shot with a Remington-Lee Sporting Rifle and won The All-Comers Match, Sea Girt. New Jersey, Sept. 10th, 1901. List Price, \$25.00.

Apply to your dealer for catalog and discount.

REMINGTON ARMS COMPANY.

ILION, N. Y.

313-317 Broadway, New York.

425 Market St., San Francisco, Cal.

STANDING SEAM SNOW SHOE IRONS



For Standing

These irons are for standing seam metal roofs, the lugs shown clinching through the seam. No rails are needed if they are spaced properly, but the rail can be added if desired. We also make one for slate roofs, and besides acting as a snow breaker these irons improve the appearance of a building.

BERGER BROS. CO.

231 and 237 Arch St., Philadelphia.

Factory at Germantown Junction.

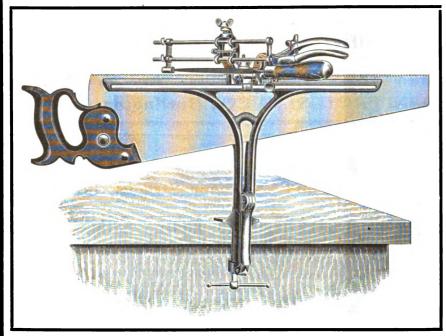


For State Roofs.



THE STERLING SAW SHARPENER

For Jointing, Setting and Filing the Teeth of a Saw



Instantly secured to a work bench or other suitable support by means of a clamp and screw. In placing the saw in the clamp ready for filing the carrier is thrown back out of the way by means of a lock which is easily raised. Our filing device is a carrier moving longitudinally on the frame resting in front on a track and held in position by the lock. On one end of the carrier is the filing frame with indicator which gives depth of tooth desired as well as the angle for filing. On the upper face of the carrier block is a protractor with a scale which indicates the angle required, all being held firmly in one place when adjusted by a thumb-screw.

when adjusted by a thumb-screw.

On the end of the carrier opposite the saw frame is the setting device which consists of levers having dies to correspond with the number of teeth in the saw it is intended to file. This will set from two to twelve teeth at one operation as desired

In the jointing attachment, the new features of which there are many, we claim superior ty over all others. Under the carrier is a recess for a flat file which may be slipped in from either side and is held in place by means of set screws passing through the shoe and inpaning the edge of the file.

ALL PARTS INTERCHANGEABLE.

EVERY TOOL GUARANTEED.

The Sterling Wrench Co.

H. & R. Single Gun AUTOMATIC

16 Gauges.

Steel and Twist Barrels

12 and 16

Superior in Design, Workmanship and Finish, and the Most Popular Gun on the Market.

HARRINGTON & RICHARDSON ARMS CO.,

Aiso makers of H. & R. Revolvers,

Catalog on Request.

Worcester, Mass., U. S. A.

Ejecting.

Gun made.

Simplest

"Take
Down"



CHEAPEST and BEST DOOR STOP on the market. It holds the heaviest as well as the lightest door, can be also used as a bumper and as a Protector against Burgiars.

We are also sole agents for the
Improved Norton Air Door Check,
Gold Bronze and Aluminum and Bronzing
Liquid. Sold in any quantity



The Blount Liquid Check Telephone Call, 1754 Certlandt. 74 Murray St NEW YORK.

Phillips Screens

FOR DOORS AND WINDOWS, ARE WELL MADE FROM GOOD MATERIALS BY

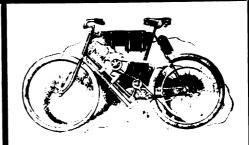
The A. J. Phillips Co., Fenton, Mich.







THE MITCHELL MOTOR CYCLE



Our Profit Producing Proposition.

—A MOTOR CYCLE—

- -Beyond the experimental stage.
- -Guaranteed to RUN satisfactorlly.
- With POWER to carry the rider up hill, against winds, through sand without assistance.
- With all the SPEED any one desires, from 5 to 35 miles per hour.
- -So SIMPLE that any novice can soon learn to operate it perfectly.

–A MOTOR CYCLE—

- -In greater demand than all others, because of its KNOWN RELIABILITY.
- That will build up your business on a firm foundation.
- -That will MAKE MONEY for YOU.
- -Made by a firm with capacity to fill orders.
- That can be handled by BUT ONE AGENCY in EACH TOWN.
- The full name of which is THE MITCHELL MOTOR CYCLE.

SEND FOR CATALOGUE AND APPLY FOR AGENCY TO

THE MANUFACTURERS

Wisconsin Wheel Works, Dep't. Racine, Wis.

IS THE

THE BEST ROTARY WASHING MACHINE?

1.—It is the only Rotary washer that has Revolving Steel Bail Clearing, reducing the friction and thus making machine so light running and almost noiseless.

2.—The tub is made of Louisiana Red Cypress Lumber, cherry finish; the legs are solid with tub (not removable, breakable legs fastened with screws).

3.—The wheel turns right or left, pin wheel or dasher reverses automatically, turning the cothes back and forth through the hots a p-auds, and cleaning them without rubbing them to pieces.

4.—This washer is made by experienced mechanics, and will out-last any other washer on the market.

5.—The tub has a wringer box fastened with steel brackets.

6.—The lid on the tub closes tight, no escape of steam.

Manufactured by H. F. BRAMMER MFG. CO.. DAVENPORT, IOWA.



MR. DEALER: DO YOU WANT A GOOD THING?

In other words if you want to give your customers BEST VALUE in OVENS

BUY THE TROY

Bake quickly, perfectly, and evenly on both top and bottom.

Before placing your oven rder write us for particu-ars and prices. It will pay

ROYAL POLISHED STEEL ROASTER CO.. TROY, Q.



For Butler's Pantry Doors and all other Swing Doors the

"BARDSLEY" CHECKING SPRING HINGE

is unequaled. It closes the door with a soft, gentle and noiseless action and stops it at once at the center. It goes in the floor under the door.

Made in 6 Sizes.

CATALOGUE FREE.

JOSEPH BARDSLEY, 147 to 151 Baxter \$1.

AMERICAN RAILWAY SUPPLY CO.,

24 Park Place, NEW YORK.

Door Numbers, Hotel Key Tags, Metal Figures & Letters.





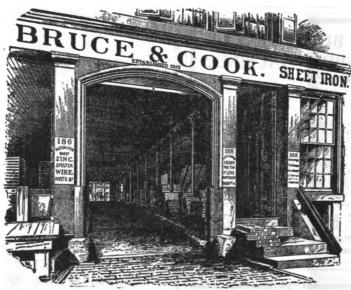
BRUGE & GOOK;

TIN PLATES AND METALS.

186, 186 and 190 WATER STREET, 248 and 250 PEARL STREET, . . .

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment. . .



Antimony. Babbit Metal. Burritt's D'ble Seamer. Copper Bottoms. Copper Circles. Copper Ingot. Copper Sheets. Corrugated Lea Cor. Elbows and Sno Bave Trough Galvan'd. Bave Trough Mitree. Bave Trough Irons. Elbows-Stove Pipe. Bibows-Adjustable. Pire Peta.

Gem Gasoline Furn Gutter, Wide Roof. Hard Metal. Kettle Ears. Lead-Bar and Pig. Leader Hooks. Malleable Eara. Mallets. Motal Lath Metallic Paint. Naile-Rooding Th Naile--Wire Room Nalls-Wire R'g Timed Pall Woods. Perforated Tin. Ribbed Leader. Rivets

Reels. Sheathing Paper, Sheet Iron-Char, Cl'd. Sheet Iron-Cold Rol'd. Sheet, Iron--Com. Cl'd. Sheet Iron-Corrugated Sheet Iron--Galvanised et Iron-Planished. Sheet Iron-Russia. Soldering Coppers. pelter. Speiter Solder. ng She re Boarda Stove Pipe. Stove Pipe Collars. Strainer Wire Cloth.

Taggers Iren Taggers Tin. Tin-Bar and Pig. Tin Plates. Tin Shingles. Tinners' Machines Tinners' Tools.
Ventilators-Globe. Wall Hooks. Water Cut-offs. Wire--Annealed. Wire-Bright. Wire-Coppered. Wire-Galvanized Wire Tinned. Zinc for Etchin Zinc Sheets.

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ODORLESS

BANNER HEATERS HAVE AN

AUTOMATIC SAFETY

STOP, which prevents the flame from burning too high.

For Bed Room, Smoking Room, Bath Room, Library, Nursery, Office, Conserva-tory, Camp or Cottage.

THE PLUME & ATWOOD MFG. CO.,



HORSESHOE-H-CALKS. (Neuss')



LEONHARDT & CO., BERLIN-SCHOENEBERG, GERMANT.





If I Were a King

or had any use for a Plyer I only would use the ones the

GREEN BOOK

of Hardware Specialties tells of. The Patent

Royal Blue Splicer and Side Cutting Plyer illustrated on page 71 is a linemen's friend. It saves him time money, worry and labor. It will last a life time. Has Renewable Jaws and Rounded sides and corners.

SMITH & HEMENWAY CO. Ask your dealer for these goods.

UTICA DROP FORGE & TOOL CO.

THOMSON BROS. & CO.

296 Broadway, New York City.

MORRILL'S Perfect Saw

Bench Stops, Punches, Cutting Pliers and Seal Presses.

This Trade Mark is stamped on all Hardware Specialties of my make.



This Trade Mark is stamped on all Hardware Specialties of my make.

For Hand, Band and Jig Saws, from the widest made down to 1-2 inch. The Sets are too well known for me to enlarge on them.

Write for

CHAS. MORRILL,

Broadway Chambers, Broadway and Chambers St., N. Y.



WITH LESS EXERTION AND HOLD ITS CUTTING EDGE LONGER THAN ANY OTHER BRAND.

DISSTON SAWS.

Are Fully Warranted

As to

Material

and Manufacture. No. 112



Owing to the Demand for a SKEW BACK SAW

of the superior quality and finish of our No. 12 we have placed on the market the i the No. 113.

HENRY DISSTON & SONS, Inc.,

Keystone Saw, File, Tool and Steel Works,

PHILADELPHIA, PENNA.

FRYING-PAN CLOCKS

Are unique and ornamental as well as useful. They come in two sizes, 10 in. dial, with raised figures, and 6 in. dial, with painted figures.

Also Tile, Program and 60-Day Clocks. SEND FOR CATALOGUE NO. 1000.

The Prentiss Clock Improvement Co., ; Dept. 100, 49 Dey St., New York City.

Centre.

The Miller Catalogue Cabiner was

ROY MILLER, Pres. H. KELLY, Sec.

Complete Index Systems and Cabi let for filing Catalogues, Price Lists, etc

Box 60,

89-41 Cortian de St. New Y -K



"SAFETY" STEP LADDER

THEY are equipped with side rails which extend \$14 to \$ feet above the top step, which makes it easy to ascend or descend, serving as a protection from falling, at the same time giving \$ feet more working space than ordinary ladders. Made from the best yellow pine lumber and put together with bolts and screws, thus insuring the strongest and best made ladder on the market.

ABSOLUTELY GUARANTEED.

Our description circular showing larger cut of Ladder with prices, etc., yours for the asking.



Factory,

Spring Grove Ave. and Straight St.





PADLOCKS. . .



Smooth or Government Finish.

Furnished the U.S. Post Office Department for mail bags for nearly twenty years.

ALL PADLOCKS

made with four tumblers each.

WRITE FOR CATALOGUE.

THE SMITH & EGGE MFG. CO.,

BRIDGEFORT, C2NN.

THIS CAN ---

HAS A

Clock Spring Steel Bottom

Of extreme durability and springiness. The CYLINDER is of DOUBLE THICKNESS around the lower edge, and is drawn seamless from extra heavy "Swedoh" Steel, Beautifully Finished It readily commends itself to all AGRICULTURAL and HARD-WARE DEALERS on account of

its Elegance, Durability and Cheapness.

Special price on large orders from the Jobbing Trade.

ORDER NOW FOR SPRING DELIVERY.

COPPERIZED

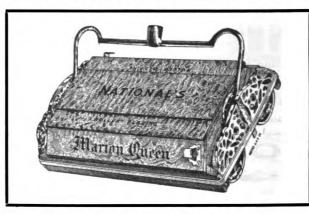
SPRINGBOTTOM

MOWING MACHINE

Che Wilmot & Hobbs Mfg. Co.,

> BRIDGEFORT, CONN. . .

The Immense Business



that we have built up in less than a year could not have been accomplished if our Sweepers were not all we claim for them.

NATIONAL "ROLLER BEARING" * CARPET SWEEPERS * *

are fitted with our new DUST PROOF ROLLER BEARING, which makes them fully 50 per cent. easier running than any other sweeper manufactured. Each and every one is an "elegant piece of furniture." Each sweeper packed in a strong card board box.

WE ARE READY FOR YOU FOR 1902.

NATIONAL SWEEPER COMPANY.

1703 PARK ST.

MARION. IND.



SARE TRADE WINNERS, AWS



E. C. ATKINS & CO., Inc.

BRANCH HOUSES:
New York City, 64 Reade Street.
Memphis, Tenn. Atlanta, Ga.
Ninneapolis, Ninn.

Portland, Oregon.

Factories and Home Office: Indianapolis, Ind.

HARDWARE

W. H. Cole, of Tower & Lyon, 95 Chambers Street, New York, intends making his usual trip to the Pacific Coast, leaving New York on Dec. 31st. He anticipates being absent about eight weeks, and will visit the principal places of importance in the Northwest, including British Columbia, Portland, Ore., and Montana. Mr. Cole, representing as he does the interests of the Union Hardware Co., as well as the products of other manufacturers controlled by Tower & Lyon, will find a welcome awaiting him among the jobbers of the West that will undoubtedly be productive of many orders.

The Winchester Repeating Arms Co., New Haven, Conn., for several years have annually expended a good deal of money in distributing a handsome souvenir calendar, calling attention to their important production. This year they have decided to discontinue the custom, as it no longer possesses any feature of novelty, and the present healthful condition of their order books makes such extra advertising unnecessary.

The Marlin Firearms Co., New Haven, Conn., have this year issued an envelope-size desk calendar for general distribution, which they will send to any of our readers on receipt of a single stamp to pay postage. It is appropriately devoted in its artistic treatment to fancies characteristic of the sportsman, and is handsomely printed in twelve colors by one of the leading lithographers.

In a circular to the trade dated Dec. 2, the Rogers Screw Co., Providence, R. I., announce that they are now prepared to furnish all sizes of Wood Screws in flat and round heads in steel, brass, bronze, and in the numerous finishes required by the trade generally. The company announce the fact that they are confining their production to Wood Screws only. The following representatives of the company in different parts of the country will carry the leading goods in stock: Warner & Rucker, 88 Chambers Street, New York; Tabb Bros. & Co., 5 West German Street, Baltimore; Chas. M. Ghriskey's Sons, 508 Commerce Street, Philadelphia; Arthur Brittan & Co., 154 Lake Street, Chicago; Kemp & McMillan, 40 Dearborn Street, Chicago; S. J. Conger, 519 Mission Street, San Francisco.

At a recent meeting of the executive committee of the Illinois Retail Hardware Dealers' Association, it was decided to hold their next annual meeting at Decatur on Feb. 12th and 13th. The headquarters of the association will be at the St. Nicholas Hotel in that city, but the meetings will doubtless be held in the commodious Elks' Hall. Mr. Hirsch, of the Morehouse-Wells Co., and the local members of the Hardware fraternity entertained the committee hospitably while in the city, taking the visitors to the exceedingly attractive quarters of the Decatur Country Club.

The Missouri Retail Hardware Dealers' Association intend holding their next annual convention at St. Louis Jan. 21 and 22. E. Winter, who has been placed in the field as a State organizer, is doing good business soliciting membership for them.

The executive committee of the North Dakota Retail Hardware Association have decided to hold the fifth annual meeting of this association at Fargo, N. D., on Feb. 19 and 20.

The executive committee of the Minnesota Retail Hardware Association have decided to make the Hotel Ryan, St. Paul, their headquarters for their next annual convention, which will be held in that city Feb. 26, 27 and 28. The sessions of the convention will be held in the Hotel Ryan Annex, and an elaborate banquet will be given the visitors at the hotel on the evening of Feb. 27. J. P. McGuire, St. Paul; Benjamin Kernkamp, St. Paul; H. S. Cleveland, Minneapolis, and Thomas McCracken, Minneapolis, were appointed a committee to fully arrange for the entertainment of the delegates.

The H. F. Brammer Mfg. Co., Davenport, Iowa, manufacturers of the O. K. and O. I. C. Washers, report their business during the past year as having been an exceptionally good one, the number of machines manufactured and disposed of being nearly double that of the year previous. They regard the outlook for 1902 as a prosperous one, as even at present it is difficult to keep up with orders.

A great deal of money appropriated for advertising through legitimate channels has been in recent years diverted to other forms of exploiting, that of issuing artistic calendars proving a very attractive one. As usually but one or two of the numerous calendars received by the dealer ever reach the position of advantage contemplated by the advertiser, this form of advertising has seemed like wasteful extravagance, and will this year possibly be less prominent as a trade winner.

Waterman Hardware Co., Geo. Waterman, president and treasurer, Albany, N. Y., have lately opened a new store at 141 South Pearl Street. They intend carrying a full line of Hardware, mechanics' tools, kitchen utensils, and other house furnishing specialties, &c., and would be pleased to receive catalogues from manufacturers and jobbers covering these important lines.

The Harrington & Richardson Arms Co., Worcester, Mass., are distributing, commemorative of the season, a very handsome calendar for 1902, being a facsimile of a pastel drawing of "The Hunting Girl," executed in an exceedingly artistic manner by Malcolm Stewart, and worthy of preservation in the interest of art as well as mechanical excellence. The company state they will gladly mail one of these calendars to any of our readers who will mention *Hardware* when requesting the same. We hope this opportunity will be taken advantage of.

In The Carpenter's Kit.

E. C. Atkins & Co., Indianapolis, Ind., are distributing some attractive leaflets for general circulation by the dealers handling their goods, consisting of a folder so arranged that when folded it shows a carpenter's kit of tools in the customary tool tray carried by the skilled mechanic, in which an Atkins' Hand Saw shows up prominently. The reverse side shows an interior view of a carpenter's shop with three workmen, apparently discussing the merits of the Atkins' Hand Saw, held by one of them. These leaflets are lithographed in colors, and will undoubtedly do good work under novel conditions.

HARDWARE

VOL. XXIV.

DECEMBER 25, 1901.

NO 6

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.

HARDWARE is published on the 10th and 25th of each month. The subscription is \$1.00 a year, payable in advance.

Subscriptions may commence with any issue.

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HARDWARE PUBLISHING CO., 875 Broadway, New York.

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A. P. MITCHELL, . . . Secretary and Treasurer.

HENRY HOPKINS, - - Editor.

A. E. BOLLES, - Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted Exclusively to the Hardware Trade.

Editorial Trade Review.

The advent of zero weather, sufficiently in advance of Christmas to encourage seasonable purchases, results in a rush for many grades of goods, the sale of which has been retarded by the desire to wait until necessity stimulates the demand. Skates have found eager buyers and stocks have diminished rapidly, making some sizes scarce. Sleds have been turned out of the jobbers' stocks under hurried orders, until the wholesale stocks are well depleted, with no prospects for new supplies.

Spring orders are being placed largely for Wire Cloth and Screen Goods. The complete destruction of one of the largest manufactories, including a heavy stock of Wire on hand, is taken as an indication for a shortage in the supply not previously considered. Buyers are fearing any change toward lower prices much less than the certainty for prompt deliveries on dates specified in orders.

This time of the year the demand for heavy goods is less apt to be apprehended, the requirements in so many lines advantageously relied on for holiday sales, causing a lack of attention to the stock of factory supplies. Some few changes are noted, usually of a strengthening character, in heavy goods, many orders for which have already received attention for Spring demands.

The steel and iron markets continuing very firm, and light stocks throughout the country largely prevailing, would seem to argue stable quotations for the early part of 1902 without doubt. Those handling wire fencing of

special grades will profit by the experience of a year ago, and this year place their specifications early.

The high prices prevailing for cereals, cotton, etc., will stimulate a good trade in the Spring on general lines, and the industry is well prepared to take advantage of the opportunities offered for encouraging purchases of supplies that will be urgently needed by the prosperous consumer.

The organization of a labor tribunal, fostered and encouraged by the ablest minds, who have devoted their best efforts to the accomplishment of industrial peace, will insure a year of prosperous conditions surrounding every important field of labor. No prolonged strikes, no interruption to production, peace between the demands of capital and labor, will make a year memorable for its industrial productiveness and steady wealth-producing possibilities. The hardships that frequently spring from the exactions of incorporated capital will fall into insignificance before a tribunal delegated to act upon it, and no political party will ever be expected to provide a panacea through the uncertain media of a change of administration.

The year's business will be brought to a close with fewer back orders left unfilled than was the case a year ago. The excellent business which has been evident on every hand during this month has made it difficult for the jobbers to make the usual progress in the annual inventory, the results from which are looked forward to with more than ordinary interest. Let us hope the desired profits will be found as great as the current estimate places them.

Electrical Education.

The subject of electrical education, states the *Electrical Review*, is one of the utmost importance to the future of the art, and to the welfare of those who enter the profession in any capacity. It is therefore well to call attention to certain phases of it very generally overlooked, and to which, from their importance, it is hardly possible to give undue care.

The teachings of the scientific or technical schools absolutely must be supplemented by practical, hard-work experience in the direction which is chosen by the student to be his career. A young man coming out of one of our best schools with the title of electrical engineer is not really fitted to practice that profession until he has spent a year or two in seeing actual practice from the inside—that is, by actually doing practical work with his own hands and applying to conditions as they really exist the knowledge he gained in the institution of learning. To the young man who has just graduated a certainty of this fact comes sooner or later, and unless he is prepared beforehand with an understanding of the conditions that he must face he is placed in a position of no little difficulty when he starts out looking for a situation. It should therefore be recognized that a year's work (often at exceedingly small wages) is really necessary to fit the technical graduate for entrance upon the career which he has chosen.

A mistake which is all too frequently made by young men in technical schools, and by their parents, is to neglect other branches of study while pursuing that relating directly to their profession. A good working knowledge of at least one other language besides English is of extreme value to an electrical man, and amply repays the trouble taken in acquiring it. To-day, perhaps, German is the most valuable, but if the student can master a good reading knowledge of French as well, he is fitted to take in all of the best of electrical literature from first hands, and also in many other ways better prepared to play his part in his chosen field of activity.

A good and thorough training in mathematics is practically essential to an electrical engineer. There is rather a tendency in the schools to make courses of instruction easy and to minimize the amount of mathematical knowledge required of students. This cannot well be regarded as anything but a mistake. While it is not likely that the average practicing engineer or shop superintendent or designer will use the calculus much in his professional work, still the mental training he requires in learning it, the amazing insight it gives him into all other kinds of mathematical processes, and the fact that many of the discoveries in electrical theory cannot be understood without a fair working knowledge of this branch of analysis, all combine to make it a practical essential.

It may be safely laid down, as a general rule, that a good education is the foundation upon which a technical course of instruction should be laid. A man who knows a good deal about electricity and nothing about anything else is not nearly so valuable or so likely to succeed as a man who knows half as much about electricity and has in addition a good general education and the degree of culture that goes with it.

In the United States we need at present two kinds of electrical men—skilled and thoroughly trained artisans, and men of high scientific attainments combined with, wide general culture. From the first class we may expect practical work of the utmost value, and from the second we may look for discovery and invention, research and calculation that will form the basis for the labora of ensuing generations of artisans. For the half-educated electrical engineer there is practically no place at all.

Montreal Metal and Hardware Manufacturers' Association.

The annual general meeting of the Montreal Metal and Hardware Manufacturers' and 'Merchants' Association was held Dec. 5 in the Montreal Board of Trade rooms, James Davidson presiding in the absence of the president, W. W. Near. The following officers were elected: President, J. W. Pyke; vice-president, J. C. McCormick; treasurer, George Caverhill; directors, F. Bacon, H. M. Blaiklock, G. A. Kohl and J. T. McCall.

A vote of thanks was accorded the retiring officers, and coupled with it was an expression of sympathy with Mr. Near, who has for several months been absent on account of ill health. The members present were unanimous in expressing a hope for his speedy recovery. James Davidson was chosen for nomination as the association's representative on the Council of the Board of Trade.

It was unanimously decided that hereafter an annual association dinner should be held, and William McMaster, T. H. Newman, George Caverhill, G. A. Kohl and George E. Drummond were appointed to make arrangements for the first annual function, to be held at an early date.

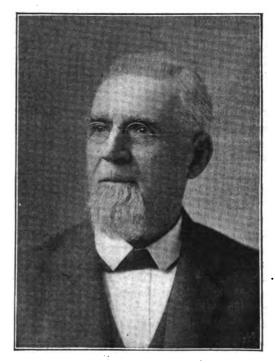
Ideal "Volumeter" No Infringement of the Kenny "Flushometer" Patents.

Readers of this paper may remember having seen a notice published in December, 1900, that the Kenney Co., of New York, had commenced suit against the Ideal Manufacturing Co. to restrain an illegal infringement of The Kenney Co.'s patents. The claim was that the Ideal "Volumeter" was an infringement of the patents covering the "Flushometer," a flushing valve. After the testimony was taken in the case, The Kenney Co. consented to a decree dismissing its bill without a hearing in court, conceding that on the proofs the "Volunteer" was not an infringement of its patents. The testimony conclusively showed the Ideal "Volumeter" was in structure and operation entirely different from The Kenney Co.'s flushing valve—in fact, of a different type or class.

Death of John G. Baker.

The distinguished inventor and manufacturer, John G. Baker, vice president of The Enterprise Manufacturing Co., Philadelphia, died on Sunday, Dec. 8th, after a lingering illness. Death was caused by that dread disease, cancer.

Mr. Baker as born near Princeton, N. J., May 11, 1833. He served an apprenticeship as a carpenter and later went to Washington, D. C., where he started business as a model maker for inventors. His first invention was a machine for making glaziers' points, which he later modified into a machine for toothing hand saws. He sold this device to Henry Disston, of Philadelphia, in whose employ he entered in 1861. He invented and carried into successful operation numerous machines for grinding various kinds of saws, and other labor-saving devices, while in Disston's employ. In 1864 he left Henry Disston and started in business with T. Henry Asbury in the manufacture of an indicator to save the reverse belt on screw-cutting lathes, under the firm name of Asbury & Co. He invented a self-measuring faucet for drawing and measuring molasses and other heavy liquids, which was largely sold throughout the United States. The firm of Asbury & Co. was dissolved and The Enterprise Manufacturing Co. was organized in 1866. Mr. Baker contributed some forty inventions to this last named company,



JOHN G. BAKER.

many of which are well known to the Hardware trade. He was also the inventor of the celebrated Baker Pressure Blower, now in use in many foundries and mines throughout the United States. For this invention he was awarded the John Scott Legacy Medal by the Board of City Trusts of Philadelphia, upon the recommendation of the Franklin Institute, in January, 1875. He continued in active interest with The Enterprise Manufacturing Co. until 1888, at which time he retired from business, although holding the position of vice president until the time of his death. He spent his summers at his residence at Edgewood Park in the Thousand Islands, and his winters at Asheville, N. C. He always was of an exceedingly practical turn of mind in all his undertakings, and even after his retirement from business he delighted in inventing devices to enable him more perfectly to pursue his pleasures. Among these were fishing tackle and photographic apparatus. He was of a genial disposition and has left many friends and no enemies. He is survived by a widow and a married daughter.

Sickels. Preston & Nutting Entertain Employes.

Sickels, Preston & Nutting Co., Davenport, Iowa, entertained the employes of that large wholesale Hardware establishment on December 14 with a dinner at Library Hall. It was a very charming event and some fifty odd were seated about the board, including, not only the employes, but a number of friends.

The dinner was served by Miss Cleaves, while Albert Petersen's orchestra discoursed beautiful music. Following the repast the main hall of the Library building was thrown open and the remainder of the evening was spent in dancing.

It was one of the charming annual events which it is the custom of the management of the store to give. It had been hoped that both Robert Sickels, who is visiting in Davenport, and A. J. Preston would be present, but owing to the severity of the weather and his ill-health, the former could not be present, while Mr. Preston sustained injuries from a fall on the previous Friday and was detained. Those present were:

Colonel and Mrs. J. R. Nutting, Mr. and Mrs. J. H. Whitaker, Mr. and Mrs. C. G. Raguet, Mr. and Mrs. J. F. Harrison, Mr. and Mrs. Theo. Neuhaus, Mr. and Mrs. H. Harbeck, Mr. and Mrs. A. Butler, Mr. and Mrs. A. O. Small, Mr. and Mrs. F. W. Neals, Mr. and Mrs. S. W. Searle, O. B. Grant, W. R. Turner, J. R. Preston, D. L. Marinan, Oscar Harbeck, Louis Brandt, Joe Dohm, Fred Kunkle, William Cardwell, C. G. Raguet, Jr., Elmer McNall, Ernst Wilckens, Chester Hulet, Frank Dohm, George Turner, William Brandt, Grant Nutting, Ralph Nutting, Marie Brandt, Pauline Brandt, Lydia Harrison, Harriet Brandt, Della Brandt, Belle Turner, Nellie Turner, Mary Turner, Harriette Turner, Frances Harbeck, Katherine Harrison, Josie Dohm, Gertrude Whitaker.

Peters Cartridge Co.'s Increasing Facilities.

The products of The Peters Cartridge Co., of Cincinnati, O., consisting of a full line of metallic cartridges loaded with the famous King's Semi-Smokeless Powder, a line of shotgun shells, consisting of shells for smokeless, semi-smokeless and black powder, primers, wads, and shot, have attained such popularity that for some time past that company has been unable to fill its orders without long delays. This condition of affairs has influenced that company to make extensive alterations in its plant and considerably enlarge its manufacturing capacity. It is now putting in additional steam boilers of large capacity, with two direct connected engines of 200 horsepower for the transmission of electric power, as well as a large electric plant. This company is now erecting two buildings of two stories in height, one 50 x 90, the other 50 x 50, besides a number of smaller buildings as well as additions to the existing buildings, all of which are expected to be completed by next spring. The improvements will also include a 2,000,000 gallon reservoir with large water mains connected with the automatic sprinkler system in the buildings, as well as a 1,000-gallon underwriters' pump. The object of these improvements, besides increasing the productive capacity of the plant, is to secure the greatest prevention against fires. The goods of this company are in demand at the present time in all parts of the world, and besides a great increase in the home trade there is a rapidly growing foreign demand for Peters ammunition.

In the course of re-opening a disused pit at Blair Burn by the Wemyss Coal Co., some miners' tools and a few wooden shovels, such as were in use 300 years ago, have been discovered. The shovels are all made of wood, some of them being as good as the day they were made. The picks and mells are iron. It is further stated that there are huge blocks of coal lying about, all cut out with pick and so large that it puzzles present day colliers to know how the task of cutting them out was accomplished. The pit in question was sunk in 1654, and closed about 1657.—Ironmonger.

Miller Catalogue Case, Style No. 12.

Miller Catalogue Cabinet Co., Alma Centre, Wis., and 39-41 Cortlandt Street, New York, are placing upon the market the Catalogue Case, illustration of which we present herewith (Fig. 1). It is an economically arranged receptacle for catalogues that appeals to the Hardwaremen throughout the country who have never taken the trouble to have any special place to put these valuable records of an annually extending business. It is designed to supply a want for a drawer cabinet at a reasonable price. The style illustrated embodies nearly all the desirable features neces-



FIG. 1.

sary in an article of this kind. It is made of oak with quartered front, and possesses a fine finish. The sliding shelf in the centre is a very convenient one, and takes up little or no room when not in use. It is 60 inches in height with a width of 29 inches and a depth of 16 inches, containing 12 drawers divided as follows: Five drawers, $25 \times 15 \times 2\frac{1}{2}$ inside; five drawers, $25 \times 15 \times 3\frac{1}{2}$ inside, and two



drawers, 25 x 15 x 5½ inside. Each drawer is divided from front to back into compartments by the means of movable partitions which are shown in Fig. 2. These can be changed at will, and extra partitions and partition holders when desired will be furnished at a slight additional cost. Each drawer pull is provided with a label holder. Extra label holders without drawer pulls are furnished with each cabinet to be placed in centre of drawer front when three compartments are used to a drawer. With each cabinet an outfit of catalogue labels and numbers is furnished. constructed on a plan that has been found the best adapted for catalogue filing purposes. This style of cabinet can also be used for electrotypes, photographs, circulars, etc. Further information regarding this desirable addition to store facilities will be furnished on application to the company.

New England Hardware Dealers' Association.

The anniversary of ladies' night, which has become an annual custom, was observed at the monthly meeting of the New England Hardware Dealers' Association, held at the United States Hotel, Boston, Wednesday, Dec. 11. Once a year the members of this association entertain the ladies at dinner. For this especial occasion the Entertainment Committee-D. Fletcher Barber, Henry M. Saunders and James A. Farless—provided a programme evidencing an enjoyable excellence. The guests assembled in the parlors of the hotel between 5 and 6 p. m., where a reception was held by S. D. Balkam and Mrs. Balkam, representing the association; Lieutenant-Governor John L. Bates, representing the Commonwealth of Massachusetts; Mrs. Katherine Lente Stevenson, president of the Massachusetts W. C. T. U., and Rev. George R. Grose. During the reception and throughout the dinner hour music was furnished by the Ladies' Schubert Orchestra. The Reception Committee-Samuel H. Thompson, Lowell; E. C. W. Bliss, Boston; Henry M. Sanders, Boston; George J. Mulhall, Boston; E. Loring Richards, Boston; L. W. Thompson, Woburn; John B. Hunter, Boston; James P. Mackey, Brookline; Thomas H. Baldwin, Boston-introduced the guests, and at 6 o'clock the company sat down to dinner. At the close of the banquet First Vice-President S. D. Balkam, who presided, delivered an entertaining address of welcome, in connection with which he related a number of humorous stories.

At the close of his address Mr. Balkam introduced Charles E. Adams, of Lowell, who acted as toastmaster. Mr. Adams spoke in part as follows:

"To the ladies who honor and grace the occasion we express our deep appreciation for two reasons: First, that it is gratifying to the members to have the ladies interested in our association, and, also, as woman is man's conscience, it is a good thing for a man always to have his conscience with him.

"Individuality is to-day practically lost, except in isolated instances; aggregate effort is the factor that dominates the commercial and industrial world, but the inevitable result will be a tendency to a closer control by the people."

Mr. Adams then presented Lieutenant-Governor John L. Bates, who extended the greetings of the Commonwealth, and in the course of his address made some pertinent allusions to the Hardware business, referring to the time, not so remote, when the ordinary type of modern hand agricultural implements were first introduced into this country by immigrants, and described how these Hoes and Forks were soon imitated and later improved by the country blacksmiths of Connecticut, and from whom, by a rapid process of evolution, the modern Hardware manufacturer developed.

The next speaker was Rev. George R. Grose, of Newton, whose topic was "The Christian Virtues in Business."

The principal address of the evening was made by Mrs. Stevenson, whose subject was "Twentieth Century Problems." Although the speaker is most prominent in temperance work, her view of the subject adverted to on this occasion was broad and liberal, and thoroughly held the attention of those present.

After the regular programme had been finished, E. J. Neale, of Lowell, read a letter from President George W. Burditt, in which Mr. Burditt expressed his regret at not being able to be present. In referring to the letter and the president's

illness many expressions of sympathy were made, and on motion of Mr. Neale a resolution of sympathy was passed and ordered forwarded to Mr. Burditt.

The next monthly meeting of the association occurs in February, and at that time the annual election of officers will be held. Charles E. Adams, of Lowell, who is president of the Massachusetts State Board of Trade, as well as a member of the New England Hardware Dealers' Association, was unanimously elected to represent the latter organization in the State Board for three years.

In accordance with a provision of the by-laws the acting president announced Samuel H. Thompson, William D. Parlin and Edward A. Loomis as a committee to report at the next meeting a list of names for all offices excepting that of president. This brought the exercises to a close.

The evening was a success in every respect, the attendance being about 75. The banquet in all its appointments and the arrangements in every detail were perfect, for which the several committees are entitled to great praise, among whom ex-President D. Fletcher Barber and Secretary Farless were indefatigable in their efforts.

American Hardware Manufacturers' Association.

A meeting of the Executive Committee of the American Hardware Manufacturers' Association was held in Pittsburgh on Wednesday, Dec. 11, at which many matters of trade importance were entertained and discussed, the meeting being well attended, and considerable interest being manifested in the proceedings. The following is a complete list of officers and committees, with names of companies of which they are representatives:

PRESIDENT,

Fayette R. Plumb, Fayette R. Plumb, Incorporated, Philadelphia, Pa.

VICE-PRESIDENTS,

Samuel M. Nicholson, Nicholson File Co., Providence, R. I. C. S. Van Wagoner, The Van Wagoner Co., Cleveland, O. F. S. Kretsinger, Iowa Farming Tool Co., Fort Madison, Iowa.

SECRETARY-TREASURER,

F. D. Mitchell, Standard Chain Co., Pittsburgh, Pa.

EXECUTIVE COMMITTEE,

Robert Garland (chairman), Standard Chain Co., Pittsburgh, Pa.

Henry B. Lupton, Oliver Iron and Steel Co., Pittsburgh, Pa.

N. A. Gladding, E. C. Atkins & Co., Indianapolis, Ind. W. S. McKinney, McKinney Mfg. Co., Allegheny, Pa. Samuel Disston, Henry Disston & Sons, Philadelphia, Pa. C. E. Adams, Cleveland Hardware Co., Cleveland, O. James P. Kelly, Kelly Axe Mfg. Co., Alexandria, Ind. J. C. Birge, St. Louis Shovel Co., St. Louis, Mo.

MEMBERSHIP COMMITTEE,

William H. Hays (chairman), Iron City Tool Works, Pittsburgh, Pa.

George P. Hart, Stanley Works, New Britain, Conn. Arthur B. Clarke, Old Dominion I. & N. Co., Richmond,

Edward Ingalls, Atha Tool Co., Newark, N. J.

Tom Almgill, Black Diamond File Works, Philadelphia,

D. W. Simpson, Wilcox Mfg. Co., Aurora, Ill.

Edward Kemp, Wabash Screen Door Co., Chicago, Ill.

E. G. Buckwell, Cleveland Twist Drill Co., Cleveland, O.

P. H. Withington, Withington & Cooley Mfg. Co., Jackson, Mich.

The first wire nails made of steel wire were made at Covington, Kentucky, in 1897.

National Sweeper Co.

The majority of manufacturers in packing their goods for shipment seem to be of the opinion that so long as they are packed in a strong box and in such shape that they will reach the dealer in fairly good condition, they have done their duty. The National Sweeper Co. seems to be of an entirely different opinion. They are certainly working along advanced lines and are right at the head of the profession, not only with the goods they are making but with their method of packing for delivery to the dealer. In the accompanying cut we show the way the National "Roller Bearing" Carpet Sweepers are packed. Apparently this

Nature furnishes coal, oil, gas in abundance, while the progressive farmers backing up these towns share in the general prosperity.

It was here the Monongahela Valley Retail Hardware Dealers' Association first came into existence, about one year ago, with George L. Moore, of Brownsville, as president; J. P. Slotterbeck, Fayette City, vice-president; J. F. Frye, secre-

tary; J. H. Bowers, treasurer, both of Charleroi.

The apparent advantage of extending their scope and influence was early recognized, and after some correspondence with the National Retail Hardware Dealers' Association this

meeting was called for a general consultation. About thirty-five dealers responded from different sections of the State, and after Mr. Moore had stated the object of the call the forencon session was entirely given up to discussion of organizing a



MODE OF PACKING "ROLLER BEARING" SWEEPERS.

shipment has just been received by the dealer. This cut shows the Sweepers packed in separate cardboard boxes and how neatly they are packed in the large packing case, as no excelsior or other rubbish is packed in with them to cause a litter when being unpacked, and the handles and printed matter can be laid on top of the boxes without becoming scratched or mussed. The National Sweeper Co. reports that their new dust-proof "Roller Bearing" device is meeting with a reception far beyond their most sanguine expectations. Fall trade has been extremely heavy, and only by running a largely increased force night and day have been able to keep up with the demand. This "Roller Bearing" device has now been on the market long enough to have had a thorough, practical trial, and the National Sweeper Co. has not only demonstrated this to their own satisfaction, but to a large number of well pleased customers. The indications for next year are extremely flattering, and the company is adding to its equipment and making preparations to take care of the heavy business which they will no doubt have.

The Pennsylvania Retail Hardware Dealers' Association.

A meeting of the Monongahela Valley Hardware Dealers' Association was held at the Monongahela House, Pittsburgh, December 12, for the purpose of discussing the advisability of merging the association into a State organization. The Monongahela Valley Association is composed of members in the western part of the State of Pennsylvania, but for some time it has been the aim of the members of the National Association to have a purely State organization as in other States, each State organization being a member of the National organization. This meeting was called for the purpose of considering this question.

Up the Monongahela River from Pittsburgh the banks are jotted with immense factories, in which thousands of workmen are employed. Town after town has sprung into existence until it is almost one solid city for thirty-four miles, there being thirty-seven marked stations within this distance. The Government has aided by dredging and building locks until the largest river boats can pass up and down.

State association. At the afternoon session the roll was called and every dealer present responded favorably to the question, "Will you join a State association, if one is organized?" The following resolution was then introduced by J. H. Bowers and carried without a dissenting vote.

Resolved: That we proceed to organize under the name of the Pennsylvania Hetail Hardware Dealers' Association.

The election of officers resulted as follows: President, Geo. L. Moore, Brownsville. Vice-President, Geo. J. Rudolph, Pittsburgh. Secretary, J. F. Frye, Charleroi.

Treasurer, B. A. Maggini, Braddock.

Executive Committee—A. Q. Casselbery, East End, Pittsburgh; E. E. Lyon, Greensburg; C. N. Savage, California; B. A. Maggini, Braddock; C. O. Shroyer, Dawson.
M. L. Corey, of Argos, Indiana, Secretary of the National

M. L. Corey, of Argos, Indiana, Secretary of the National Association, and Secretary and Treasurer of the Indiana Retail Hardware Dealers' Association, was then introduced, and addressed the meeting, explaining in detail the advantages accruing from the formation of a State organization, which will, in turn, become a member of the National Association. At present the Monongahela Association has about twenty members.

After some discussion a resolution was carried to affiliate with the National. It was also decided to hold another meeting in February, and have one of the National officers present. A vote of thanks was tendered the National Association for assistance rendered. A committee on Constitution and By-Laws and another on Programme and General Arrangements was appointed. The meeting then adjourned until February.

In this gathering active, hustling, intelligent young dealers mingled with the solid, progressive, successful gray headed veterans of the Hardware business, and we predict that Pennsylvania will develop an association that in numbers and influence will rank among the best.

The field is a promising one. It is this class of dealers who are giving National and State Associations loyal support and encouragement and make future success possible.

Pennsylvania dealers are requested to write J. F. Frye, Charleroi, for particulars and programmes of the meeting in February.

Armor plate was first produced in this country by the Bethlehem Iron Company. The first contract was made in 1887, but the first plates actually made were turned out in 1890.



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RECENT TRADE PUBLICATIONS.

D. H. Allen & Co., Miamisburg, O. Booklet catalogue of their popular specialty, "The Standorette." Printed on excellent paper, finely illustrated throughout with half-tone engravings, showing the great variety of uses to which this specialty may be put, including a reading stand, card stand, book rest in the office; also for students and professional men; adjusted for invalids, as an easel for artists and a sewing stand; also as a music stand. The number of special features that have made this article popular are well illustrated and described, and are worthy of the attention of the Hardware trade. The many special features to which "The Standorette" is adapted are finely shown on a lithographic hanger distributed by this firm, one of which has been received by us, and which is worthy of a wide distribution.

E. W. Bliss Co., Brooklyn, N. Y., among their numerous catalogues publish a 48-page pamphlet of Drawing Presses and Spinning Lathes, which is as full and complete as is customary with this well-known concern, whose catalogues in the way of machinery are works of art, being filled with excellent half-tone illustrations of the various machines, and including a full description of all their working advantages that give a graphic idea of their utility and in a manner to impress the buyer. Sizes and dimensions are given throughout, and illustrations of the shapes produced by their Spinning Lathes form a part of the contents.

CHICAGO FLEXIBLE SHAFT Co., La Salle Avenue and Ontario Street, Chicago, Ill. Large size pamphlet catalogue, oblong in shape, of 32 pages, having reference to the Chicago Sheep Shearing Machines manufactured by this company, claiming to be the original inventors and manufacturers of practical sheep-shearing machines in the United States. It illustrates in a very complete manner the numerous machines turned out by this company for the purposes of sheep shearing, and gives in a series of illustrations the method and manner of shearing sheep by the aid of machines of the character represented, a number of half tones conveying a perfect idea of sheep shearing methods. Illustrations are also given of the component parts of the machine so they may be ordered by number, and the component parts of the shearing head are given in detail. The latter part of this catalogue is devoted to numerous testimonials from those who have used the appliances to the illustration of which the catalogue is devoted.

NATIONAL PROJECTILE WORKS, Grand Rapids, Mich. Price list of Lubricated Wire Patched Bullets and Smokeless Powder Cartridges, being a pamphlet catalogue, envelope size, sixteen pages, giving the various styles of these goods manufactured by this concern, together with the list prices of the same, illustrations showing the shapes and styles, various directions of how to care for a rifle in using smokeless powder and in loading. Full description is given of the improved methods which have made this product so popular, and the numerous advantages by which the use of the same readily appeals to the practical sportsman or military man. As is explained in the pamphlet, "In the old muzzle-loading gun the bullet was 'patched' with an oiled cloth, as it was pressed into the barrel, and every hunter knows that there is no gun in the world that shot so well and still shoot so well as the old muzzle-loader. But the patch which lubricated the path of the bullet in its flight and wiped all residue behind it, did a bad trick as well. As it was rammed home it carried down to the base of the rifle with it, all the residue

of former shots, and the gun, sooner or later became, what hunters call 'breech-burnt.' As it states, the breech-loader did away with all this, and the present steel wire patched bullets serve as a vehicle for lubrication, also effectively preventing lateral expansion, accomplishing a result heretofore deemed impossible of accomplishment by means of a lubricated jacket.

BALDWIN REFRIGERATOR Co., Burlington, Vt., have recently issued an 88-page catalogue, covering their line of Baldwin Refrigerators for 1902. This includes in its contents the principles of circulation and cleanable features, description of construction and devices for economy of ice that are embodied in the manufacture of the large line of Refrigerators which at the present day forms their product. It also gives fully illustrated all the salient features of their several important lines, such as Porcelain-lined styles, Family Refrigerators, zinc-lined, made from soft wood, and the same made from hard wood; Family Refrigerators that are spruce-lined, hard wood outside; also Ice Boxes and Chests, Sideboard Refrigerators, Grocers' Refrigerators in large variety and special Refrigerators and Coolers for hotel use. These are all handsomely illustrated throughout, the catalogue showing all the various points of difference, list prices accompanying each particular item, together with the dimensions, the code name for telegraphic purposes and the weight of each particular Refrigerator. Every effort is made to have the information conveyed in concrete form so as to make it unnecessary to have any large amount of correspondence when this catalogue is in the dealer's hands. The principles underlying the construction of this well-known and popular line have been adopted after many experiments, which prove every feature to be the most desirable possible for the purpose designed. The manner in which this is explained in the prefatory remarks would assist in making sales very readily, and should be studied thoroughly by the dealer handling such meritorious goods.

EDWIN B. STIMPSON & SON, 31 Spruce Street, New York, who are large manufacturers of machinery and supplies for manufacturers in all lines, have recently issued large circulars indicating in the contents the important special lines to which at this time of the year they desire to make reference. Considerable space is given to the round-hole and hyphenhole Perforating Machines, which form one of their principal productions, and which are very important appliances for the use of manufacturing stationers, lithographers, book-binders and printers. They also exploit in one of their circulars a large number of other machines with the manufacture of which they have long been identified, such as Foot Presses and Dies, Pinking and Scolloping Machines, Creasing Machines for leather work, Embossing Machines for celluloid, paper, cardboard, etc.; Heavy Stapling Machines for fly nets, fastening rope ends, etc., and Eyeletting Machines. In fact, any of the trade in want of any mechanical appliance which the above styles would suggest would probably find it could be supplied by this old and well-known concern.

TRAGLE Mrg. Co., Reading, Pa. Catalogue of Horse Mouth Files and Floats of every description for veterinarians and horsemen; also File Cards, etc. This is a line of goods not largely manufactured by competing concerns, and still a very useful one for the trade to have within reach, including as it does a number of odd appliances not usually found in general catalogues.



PERSONAL SERVICE SERVI

Iwan's Champion Drain Cleaner.

Iwan Bros., Streator, Ill., are the manufacturers of the Champion Concave Adjustable Drain Cleaner, which we illustrate in this article. It has been one of their important specialties for some time, and has already achieved a reputation for perfect work wherever it has been introduced. It is

adjusting them prevents their sagging or coming apart. Another advantage it possesses is that when it is taken down and cleaned it may be nested and put away for further use, this being one of the advantages over the old style of pipe, so that it is claimed with ordinary care it may be made to last for a number of years. It is very readily put together, the thin

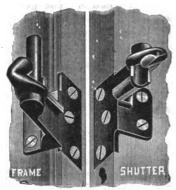


IWAN'S CHAMPION DRAIN CLEANER.

made to push or pull, is very thoroughly constructed of good material, and can be adjusted to any desired angle. The socket head has a double ratchet to which the corresponding shanks are secured by means of a bolt. This greatly adds to the strength of the tool. It is manufactured in five sizes of blade: 3×15 , 4×15 , 5×15 , 6×15 and 7×15 .

Patent Blind and Shutter Hinge.

Baitinger & Berkley Patent Hinge Mfg. Co., St. Louis, Mo., are manufacturing the Patent Blind Hinge, illustration of which is given in this article. It is claimed to possess meritorious points heretofore neglected in the construction of a hinge of this character. By its peculiar construction it is claimed it can be put on in one-half the time of the old style, as it is automatically gauged, and by possessing two



PATENT BLIND AND SHUTTER HINGE.

screw plates a double hold on the frame and shutter is provided for. These two plates being perfect cause the pins of the hinges to be in a perfect line one below the other, thereby avoiding any possibility of the shutter binding, which usually results in the breaking of the hinge and forms one of the prominent weaknesses of the old style hinge. This hinge having a double hold is less liable to be pulled off, being reenforced where similar hinges have usually been found weak. It is claimed by the manufacturers that it is impossible to pull loose. The hinge locks itself when open, so the wind cannot slam the blind.

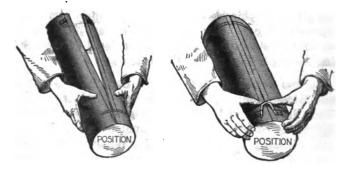
Triumph Adjustable Stove Pipe.

Triumph Adjustable Stove Pipe Mfg. Co., Joliet, Ill., are manufacturing what is claimed to be the most popular Adjustable Stove Pipe on the market. It is extremely simple in its construction so that it may be put up by those unskilled in operations of that character, as it requires no disfiguring wire to hold it in place calculated frequently to mar the ceiling or the walls, and after the joints are put together they are to all appearances one length of pipe. The manner of



TRIUMPH ADJUSTABLE STOVE PIPE.

edge being inserted into the groove at the bead end, the other end being held open. Following it up the two edges are brought together, and the staple inserted, when the operation is complete, and no additional wiring is necessary. Hard-



ware dealers will find this an admirable style of pipe to add to their general supplies for household purposes, as the slightest knowledge of its advantages would induce a trial purchase. The manufacturers claim in their advertisement in another column that the Adjustable Stove Pipe may be put across a room 18 to 20 feet wide without wiring At the same time they will be found solid and tight. They solicit the trade of the retail Hardware and stove dealers, and state they do not sell to department stores, this being one of the important principles underlying their business popularity.

Gem Nail Clipper.

H. C. Cook Co., Ansonia, Conn., are placing on the market the Gem Nail Clipper, and for the purpose for which it is intended it forms an admirable manicuring appliance. It is a clean cutter to the extent that there is no pulling or tearing,



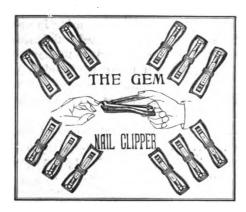
GEM NAIL CLIPPER.

and by its aid the nails may be filed. It is manufactured from a high grade of tool steel, neatly finished in nickel, is less than two inches in length, and having no sharp corners, it may be carried in the pocket without detriment. The jaws are hardened and ground accurately for manicure purposes. The Hardware trade handling this specialty will find it a

good seller, and will appreciate the fact that it comes put up as indicated in the cut herewith, on sample cards holding twelve clippers. They are manufactured in four leading



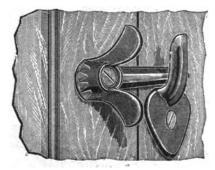
styles: No. 1, finished in nickel, list price of which is \$2 per dozen, being the most popular. The better grades, the list



prices of which run from \$4 to \$7.20, are of a character to suit the most fastidious, having brass, aluminum or sterling silver handles, according to cost.

Fearn Casement Fast.

Columbus Sash Ribbon Co., Columbus, O., are manufacturing the novel device designed for a hinged cellar and attic sash and marketed as the Fearn Casement Fast. This is a very desirable article for the Hardware trade to handle, as it



FEARN CASEMENT FAST.

is inexpensive, supplies a want that every household will recognize at once, and affords the dealer a reasonable profit in its distribution. It is designed to draw the sash or door in place even should it be sprung a quarter of an inch, and will latch even if the door is shrunken or sagged somewhat. Only two screws are required in applying it. If carelessly put on by an unskilled hand, it may be relied upon to accomplish the work required of it. It is applicable to right or left hand, and either top or bottom. It is claimed to be more serviceable than any other possible appliance for hinged sash in cellar, attic or elsewhere, sink and cupboard doors, chicken coop, harness closet or any other similar small doors about the house, barn, etc. They come conveniently packed, one set complete with screws, in an envelope; one dozen set in a neat pasteboard box, and one gross set in a case. The shipping weight is 25 pounds to the gross.

"Centénnial" Rainwater Cut-off.

Cooney & Geiger, Indianapolis, Ind., are the manufacturers of the "Centennial" Rainwater Cut-off, an illustration of which we give herewith. This article has been before the Hardware trade for a number of years, and has met with unqualified approval, and still holds its prominence as a desirable specialty of its kind. It is strong, exceedingly



"CENTENNIAL" RAINWATER CUT-OFF.

durable and quite moderate in price. It is claimed to be the only single cut-off made to fit either corrugated or plain pipe, and which can be used without extra pipe or elbows, making it more readily fitted and saving the tinner extra labor and solder. The style illustrated herewith, which is a sectional view, is Style B for round corrugated galvanized iron pipe. They also manufacture Style A for plain pipe, which is manufactured from either tin or galvanized iron, and made in all sizes from 2 to 6 inches. All sizes below 5 inches are put up in crates of one dozen each, and these are assorted right and left hand wires.

Winn's Adjustable Ball-Bearing Door Holder.

Henry Pearl & Sons, 74 Murray Street, New York, are placing upon the market, through the Hardware trade, Winn's Adjustable Ball-Bearing Door Holder, which is shown in the accompanying illustration, giving the style and manner of its use. It is claimed to hold the heaviest as well as the



WINN'S ADJUSTABLE BALL-BEARING DOOR HOLDER.

lightest door, and meets with approval wherever it has been tried, and should have an extended sale. It is made in bronze with solid rubber tip. It can be used in three ways: To hold the door open, as a bumper to keep the door from striking the wall, and as a burglar proof door fastener. For these purposes it is fastened on the back of the door.

The Sterling White Light Gas Light System.

The Sterling White Light Gas Lamp Co., of Sterling, Ill., are advertising the latest improved system of lighting stores, churches, halls, factories and streets with what is called the Sterling arc system, for which they have patents, and which is claimed to produce a light superior to an electric arc at a very low cost. The indoor light shown in connection herewith (Fig. 1) is the result of many years of experiment, throwing a much softer, steadier and more powerful light than an electric arc. The Sterling arc burner used in connection possesses the smallest number of parts, and has a patent needle cleaner, which is of uniform size the full length; hence never enlarging the gas orifice and

making it practically impossible to clog. The generation takes place between two mantles in a straight rod made entirely of brass and packed with copper cable, which performs a double duty, acting as a filter and a sub-heater. This lamp will generate whether turned low or on full force, and in all degrees of temperature, both inside and outside. In this system the gasoline is conveyed from a tank throughout the entire building through a flexible hollow copper wire, not to exceed 1-8 inch in outside diameter, and can be concealed with the same facility as electric wires, and as many lights as may be desired can be supplied from the same tank. The tank may be in any convenient place. The Sterling Arc will burn any gasoline that will burn in any stove or in any other lamp, but experience has taught all users that "74 gravity" is the best for the purpose, even in a stove. The lamps are shipped trimmed complete, as shown in the cuts, and explicit instructions are sent as to installing and operating system. The company manufactures an especially strong mantle for use in their system, as the brilliancy of light depends considerably on the quality of the mantle.

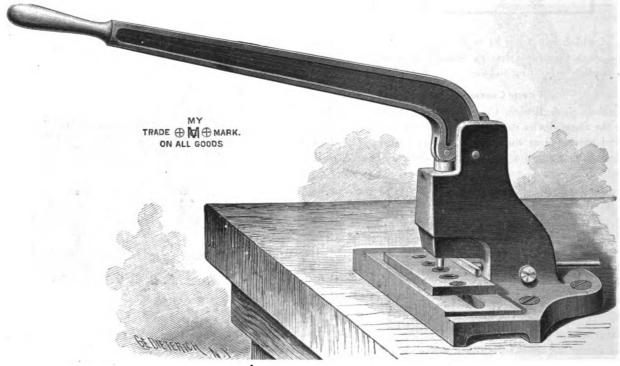
Morrill's New Bench Punch.

Charles Morrill, 277 Broadway, New York, is placing upon the market, through the Hardware and Supply trade, the improved Bench Punch, illustration of which we present herewith. This has been before the trade some little time, but with its present improvements it becomes a tool of great value. This Punch is provided with interchangeable dies and plungers, varying in size from ½ to ¾ inch in diameter, the reguof unparalleled activity and prosperity. In all branches of the iron and steel industries manufacturers are proceeding on the supposition that orders are to continue or to increase. They are accordingly adding a little here and there to their facilities, buying some needed machinery, taking on a few more men, making some desired improvements and contracting for their material on the same broad scale. And when the shrewdness of the average American business man is considered, the sum total of this almost universal predisposition towards enlargement and expansion of trade carries with it the weight of profound conviction. Representing, as it does, the keenest business sense, it is a powerful argument in favor of a continuance of robust activity.

This very confidence, with its resultant activity, is making for the continued prosperity to a most notable degree. It stimulates the whole line of initial production and by the placing of heavy orders guarantees the prolongation of progressive activity.

One recent and local instance of this go-aheaditiveness is presented in the business which is pouring in upon the Chicago architects. The latter are flooded with business and one of them remarks that all signs point to the next summer as a season of remarkable activity in the building trades. He says that it is open to question whether all the business houses and business blocks that are wanted can be erected, so great is the present inquiry.

It would seem from the present temper of the trade that nothing less than an earthquake could shake it from its aggressive and persistent climbing tendencies.—Iron and Steel.



MORRILL'S NEW BENCH PUNCH.

lar equipment being ½, ¼ and ¾ inch punches, although any intermediate size can be furnished. The tool is manufactured from the best quality of iron and steel and is designed by the manufacturer for the purpose of punching sheet metals, cardboard, paper and other fibrous material. It is provided with a gauge secured by a set screw for the purpose of regulating the space between the edge and the dies, it being intended that the whole structure should be bolted to a bench or table when in use. The plunger is controlled by a lever handle 21 inches in length, making it capable of doing unusually good work for a mechanical appliance of this character.

A Unanimous Opinion About 1902.

One of the remarkable features of the business of to-day is the widespread confidence that 1902 is to be another year

Dehorned Beeves.

The Armour Co. pay more for dehorned beeves than for those with horns. They find that the dehorned cattle ship better and consequently dress better than the others. Where the animals horn each other a bruise is left on both the hide and the flesh. The tanner pays less for the hide, the butcher less for the dressed carcass. It is remarkable how rapidly the practice of dehorning has grown. One has only to visit the Union Stock Yards at Chicago to realize this. Cattle feeders have found that it pays to dehorn—pays in four or five ways. Of course one should be careful to use a dehorner possessing a deserved reputation, as that advertised in this issue by H. H. Brown Mfg. Co. It has been tried for years and the thousands using it endorse its many merits.



REVIEW OF THE MARKETS.

wire Nails: The condition of the Wire Nail market is about as previously reported. Quotations have been made by plants outside the combination at lower figures than have generally prevailed. Some of these quotations have been met, in order to keep large buyers secure, providing such prices were made by plants which could supply full assortments of sizes, but general quotations still continue irregular, and buying is not of a steady or confident character. What is considered a low price for regular trade would be \$2.10 to \$2.15 for ordinary requirements f. o. b. mill, the desire being to keep the business on a conservative basis with no wish to speculate on the future trend in prices. Nominal quotations are as follows: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To	jobbers in	carload lotsless than carload lots	
		less than carload lots	
10	retailers I	carload lots	2.40

New York. The local demand is by no means of an eager character, having become quite light by comparison with the previous fortnight. Stocks are not heavy, and some sizes are reported scarce, the car famine having affected full deliveries. The following may be said to represent the market:

Cut Nails: While with the present limited demand a change in price of Cut Nails is scarcely expected, still as prices by comparison make the difference on Wire Nails so much in their favor, it is thought a change after January first is more than likely. The market is held firm under a light demand, at prices previously quoted, which are as follows: f. o. b. Pittsburgh, plus the actual freight to point of destination, terms 60 days, or 2 per cent. discount for cash in ten days:

In k	ees t	han	carl	oad	lot	B	 	 	• . • • • • • • •	\$ 2.10
Carl	oad	lots					 	 	• • • • • • •	2.05

New York. The sales of Cut Nails being confined to those who prefer them to Wire Nails for various needs, the sale has not been affected by the relatively low price quoted on Wire Nails by comparison, the demand being limited. Prices are held at quotations previously given.

	· · · · · · · · · · · · · · · · · · ·	
To tobbers in	carload lots on dockless than carload lots on dock	@0 19
TO JODGET IT	carroad tota on dock	
**	less than carload lots on dock	2.28
Mmell into tro	om store	9 25

Barb Wire: Business at this season is becoming of the usual restricted volume, and the nominal quotations indicate nothing of a surprising character. Slight concessions are occasionally made when specifications are of a size to make such a course desirable. Quotations are as follows: f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers in carload lots, Painted\$	2.60
" Galvanised	2.90
" less than carload lots, Painted " Galvanized	2.65
" Galvanized	2.95
To retailers in carload lots, Painted	2.70
" Gaivanized	3.00
" less than carload lots, Painted	2.80
" Galvanized	3.10

Ellwood and Baker Wire is 5 cents and Washburn & Moen Glidden is 10 cents per 100 pounds higher than the prices above named:

Plain Wire: The demands of the manufacturers furnish the strength of the business being done. No doubt desirable specifications are welcomed, and some slight concessions are made in order to obtain the specifications for next season's requirements. Nominally the market remains as

heretofore quoted. F. o. b. Pittsburgh, terms 60 days, or 2 per cent discount for cash in ten days:

ВĽ	cent	discount for cash in ten days.	
	To	jobbers in carload lots\$2.25 " less than carload lots\$2.30	\$2.65 2.70
		" less than carload lots 2.80	2.70
	To	retailers in carlots	2.75
		" less than carload lots 2.45	2.85

The above prices are for the base numbers, 6 to 9. The other numbers of Plain and Galvanized Wire take the advances indicated in the following table:

Plain F	ence Wir	e Adva	DC es	(Cat	ch	Wel	ghts) Galvi	inized.
6 to 9	.Base						0.40	extra.
10							.40	**
11	10	66	44	44			.40	66
12 and 1214	16	44	64	44			.40	**
18		64	44	66			.40	64
14	25	66	66	66			.40	••
15		66	64	66			.75	44
16		**	44	66	• • •	• • •	.75	44
		44	44	44	• • •	•••	1 00	44
18		64 .	44	44	• • •	• • •	1.00	44

Copper Products: The irregular prices at which ingot copper has been marketed during the past fortnight, have made imminent prices of a fluctuating character from day to day. Buying has been checked, as every change in quotations it was feared would be lower than previously prevailed. The market prices on Copper Products are handled conservatively for the benefit of the general trade, giving opportunities for disposing of stocks with but little or no loss wherever practicable. But few changes will be made until the market becomes settled, and in all probability about the time of the January meeting of manufacturers the price of ingot copper will be a fixed one, enabling the manufacturers of copper and brass products to name quotations that will require little or no immediate revision.

Cordage: The Rope market remains without change. We continue the quotations named previously, which represent the market.

	Cents
M	Cents.
Manila, 7-16 inch and larger	18
M inch	1814
1/4 inch and 5-16	14
Sisal, 7-16 inch and larger	914
% inch	9%
inch and 5-16 inch	1012
Lath Yarn, medium and coarse	814
Jute Rope, No. 1	612
Jute Rope, No. 1	6

Liasced Oil: The following quotations are the latest announced by the Dean Linseed Oil Co.:

tity at one time.

Boiled Linseed Oil, 2 cents per gallon higher than Raw. Calcutta Oil, 85 cents per gallon.

THE PITTSBURGH TRADE.

One of the quickest floods on record caught Pittsburgh napping last Sunday, and entailed considerable loss and work to coal men, manufacturers and merchants in the low district. These floods have been more frequent than usual during the last year.

Business keeps up well, notwithstanding annoyance and delay by weather and railroads, and the outlook for 1902 is excellent.

We are glad to read of the conference between prominent men on both sides of the capital and labor problem, and the kindly feeling which prevailed. Large views and intelligence on the part of the conferees will go a long way toward solving this question, so important to the continued commercial progress of our nation.

At this season, when "good will to men" prevails in the minds of all, we hope the same sentiment will enable capital and labor to agree as to the best interest of both.

LOGAN-GREGG HARDWARE Co.



THE CLEVELAND TRADE.

Judging by the orders received, no jobber would think this was December. We are to have no dull month in 1901, and it will be difficult to find time to invoice. Trade holding up so late will prevent manufacturers accumulating stock for Spring trade. This, with the delay caused by the lack of material, is likely to make increased annoyance by delay in filling Spring orders.

Sales were very much reduced last year by orders not being filled until the season was over.

Nothing but unexpected disaster can prevent an increased demand for goods for 1902. We have been so accustomed to have depression follow activity that an apprehension exists that prices may seriously decline, but the basis of prosperity is too solid to permit speculation in stocks on exchanges to destroy it.

Consumers want the goods and are able to pay for what they want, even if speculators are short on their margins. Our present system makes it possible for a few men to lock up our circulating medium for speculative purposes, and panics in Wall Street will continue until Congress provides for a currency that can adjust itself to conditions, but if the bulls and bears destroy each other the country will still live and will eventually make provision to protect its business from such injury.

Every indication promises an active business for 1902 that will result in much delay in many lines in getting goods. To have goods when they are wanted is the very best advertisement possible. The good business man this year will secure early shipments.

THE LOCKWOOD-TAYLOR HARDWARE Co.

THE DAVENPORT TRADE.

The prolonged drought continues, and there is no water in the creeks, brooks or ponds to freeze, hence no skating except on the rivers. The skate trade is very much abbreviated thereby. A few hand sleds are being sold for Christmas presents, but there is no snow as yet to justify purchases of them for practical use. Sleighs and sleigh bells are little known except in history in this neighborhood. Sales for the year have been large, have never been excelled and rarely equalled in amount, but a constant shrinking of values estimated at an average of ten per cent. since last inventory, together with the excessive expense account and the narrowing of margin of profits, will show a disappointing and unsatisfactory condition when the balance sheets of the year are made. When the results of business for 1901 are known an earnest, if not spoken wish, will be made, that the contemplated two hundred million Hardware combine would hurry up and get organized.

SICKELS, PRESTON & NUTTING Co.

THE MINNEAPOLIS TRADE.

The year 1901 will soon be ancient history. We think the Hardware trade in the Northwest as a whole has found it a fairly satisfactory year. This is particularly true of the jobbers. Do not think the local retailers will find it so satisfactory when they come to figure up their profits. There have been quite a number of changes in the trade here during the year.

The J. H. Thompson Hardware Co. were about ready to do business when, on account of illness, Mr. Thompson felt obliged to close up. He was succeeded by the Nelson & Bouquet Hardware Co., who came here from Owatonua, where they were doing a jobbing and retail business, Mr. Thompson purchasing their retail business at that point.

In July the T. M. Roberts Supply Co. went into the hands of receivers. The business was afterwards sold out to some of the large creditors, who are now continuing under the style of Ingram & Mann. It seems that they are paying particular attention to disposing of the stock on hand. What course they will pursue in future is doubtful, but we should think quite likely that the business, in some form or other, will be continued.

The Gregg-Seager Hardware Co., composed of a number of former employes of the Minneapolis Iron Store Co., was organized and are doing a heavy Hardware business. The Williams Hardware Co., heavy Hardware, have moved into new and larger quarters and are apparently doing a very successful business. There was a change in the Gardner-Warner Hardware Co., Mr. Warner selling out his interest to Mr. Gardner, and now they are two separate establishments.

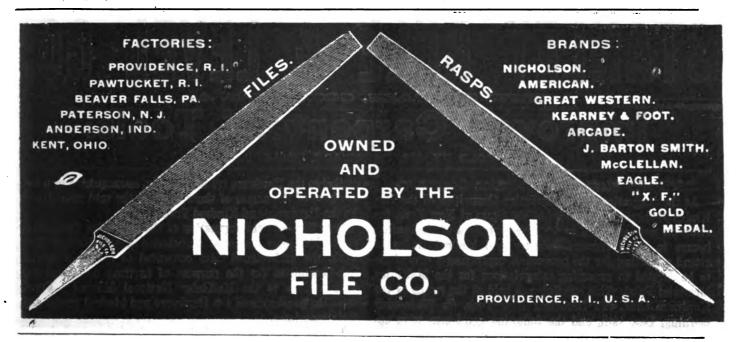
G. P. Derickson has moved into larger quarters on Washington Avenue North, is extending his jobbing business in the furniture, upholstering and manufacturing supply line, while the business of the Stoddard Hardware Co., that occupied premises on Washington Avenue South with Mr. Derickson, is advertised for sale. Mr. Stoddard's business is largely in the mechanics' tool line. Peter Faber has filed a petition in bankruptcy. Janney, Semple, Hill & Co. have purchased property in the rear of their large wholesale establishment on Second Street and First Avenue South, and are erecting a large addition, made necessary by their large and increasing business.

Building operations have been very large here and continued up till now; in fact, even during the severe weather that we are passing through at present there is a great deal of work going on. It seems rather strange to see a large force of bricklayers laying brick outdoors, with the temperature ten to twenty degrees below zero, but there is a large building going up on upper Nicollet Avenue, where this sight can be seen every day.

Lumber prices are high and recently a further advance has been made, but the demand continues good. There is no question but the white pine tributary to Minneapolis is getting very scarce and apparently owners are beginning to appreciate that fact. Last season there were more or less logs hauled here from the woods by rail. The result was so satisfactory that we understand arrangements have already been made for over 100,000,000 feet to be hauled the coming season. One mill here wishes to try the experiment of sawing through the Winter, and applied to the city government for permission to extend railroad tracks across some streets in order that the logs could be dumped into their pond. They propose keeping their pond clear of ice with exhaust steam, which they can have plenty of, as the item of fuel to a saw mill cuts no figure.

Manufacturers in different lines have been troubled seriously with shortage of cars. Railroads have been adding to their equipment, but not fast enough to keep pace with the demands of the increased business. Some of our flour mills and elevators have been obliged to shut down on account of





not being able to get cars to move the wheat. Some other flour mills are closed on account of dull business, this being the time when it is expected in this line. There has been somewhat of a flurry in wheat recently, but it seems to have quieted down, but mill feeds, bran, shorts, etc., are very high. The demand for everything of this nature in the Southwest is phenomenal. The price of wheat and flour is exceedingly low compared with other grains. Many people seem to think there will be a marked advance later, but the price, in our opinion, will be regulated very largely by the European demand, as apparently there is wheat enough for home consumption and to spare.

Holiday business seems to be good, but there is no doubt the severe weather is keeping people at home to quite an extent. There will be a great rush within the next few days. An owner of one of the large department stores told the writer yesterday that if the weather became moderate they would immediately put in several hundred additional clerks.

Our experience with holiday business has been satisfactory since we have moved up into our new location. People are buying useful articles, and there are a great many things in the Hardware line that a concern located favorably can handle to advantage. We don't pretend to buy anything particularly and only for holiday trade, but simply have a larger line of certain regular standard goods that we carry in stock the year around, many of these articles, of course, selling to much better advantage and more freely at this time of the year.

We are doing very satisfactory business in chafing dishes and accessories, 5 o'clock teas, nickel-plated bakers, tea and coffee pots, pocket knives, table cutlery, carvers, etc. Have made quite a specialty of tool chests this year, have been most successful in those that we had made here and fitted up ourselves with first quality tools.

As we fear we have already occupied too much space, we wish you and the readers of *Hardware* a very Merry Christmas and happy and prosperous New Year.

W. K. Morison & Co.

THE ST. PAUL TRADE.

With the holidays in sight and a temperature of 10 to 30 degrees below zero during the last week, we should expect a quiet business, and yet we are surprised every day by the number of orders we are receiving; the general conditions are good and a little cold weather does not scare our people to any extent, still for some weeks after Christmas we expect but little business.

The market here is generally firm, though an uneasy feeling exists in regard to Spring price on nails and wire, and

all orders taken must be guaranteed up to date of shipment.

C. W. HACKETT HARDWARE Co.

THE SAN FRANCISCO TRADE.

According to the voice of the trade in these closing days of 1901, the Pacific Coast is enjoying one of the best years in its history, as far as outward shipments of its field products go. There seems hardly anything produced in California or its two northern neighbors that is not in good demand, either for the East or foreign countries.

From the viewpoint of representative San Francisco Hardwaremen in the jobbing trade, this happy condition was not overlooked in the reach of statesman oratory they severally exemplified a few evenings ago while guests at the superb second annual banquet of the San Francisco and Oakland Retail Hardware Dealers' Association, given in the city's handsomest banquet hall, known to the epicurean world as S. Constantini's Maison Tortoni.

The topics given the several speakers by Toastmaster Armstrong, of Philpot & Armstrong, excepting in the case of Mr. Miller, of Miller, Sloss & Scott, whose subject was "The Trade Outlook for 1902," did not embrace a reach into the abundant present and prospective harvest seasons brought about through the agency work of Prosperity that the revered President McKinley promoted; yet the poet-license the other toast speakers indulged in by reaching beyond the scope of their several topics to relate that the Coast's retail Hardware Dealers demand for iron and steel and every other article of merchandise appertaining to their business repertory was unabated, and that never before was there so much forward business booked as at present, was so very happily done that the license taken was applauded so vigorously that the gorgeous decoration on the center table, consisting of a huge bouquet of picks, shovels, galvanized wire netting, chrysanthemums and bunches of red berries, jingled with the echo of applause.

The toasts given these speakers, additional to Mr. Miller's, were:

"In What Way can Jobbers and Retailers be Benefited by Co-operative Work?" responded to by Mr. Wheeler, of W. W. Montague & Co.

"Present Commercial Methods and How to Conform to Them," responded to by Mr. Rulofson, of Baker & Hamilton. "The Value of Association to the Hardware Dealer," responded to by C. A. Marwedel.

"Work of the California State Association of Retail Hardware Dealers," responded to by Harry Gracey, the secretary.
"Is the Hardware Trade Conducive to Speech Making?" responded to by Mr. Curtiss of Dunham, Carrigan & Hayden Co.

INDUSTRIAL PRESS ASSOCIATION.

STANLEY RULE & LEVEL CO.

NEW BRITAIN, CONN., U. S. A.

Improved Carpenters' Tools.

SOLD BY ALL HARDWARE DEALERS.

McKinley Memorial Association Committee.

At the suggestion of the Executive Committee of the Mc-Kinley Memorial Association of the State of New York, invitations were extended to the representatives of the leading houses in the Hardware industry and kindred trades to attend a meeting for the purpose of organizing a committee to be devoted to procuring subscriptions for the McKinley Memorial Fund. This meeting was held at the rooms of the Hardware Club, 253 Broadway New York, on Wednesday morning, Dec. 12th, and the following gentlemen were appointed a committee for that purpose:

William Bishop, of P. & F. Corbin, New York.

Terence F. Curley, of J. Curley & Bro.

U. T. Hungerford, of U. T. Hungerford Brass & Copper Co.

R. R. Williams, of Iron Age.

Webster R. Walkley, of Peck, Stow & Wilcox Co.

Frederick Stellwagon, of Reading Hardware Co.

George H. Sargent, of Sargent & Co.

George J. Laighton, of Russell & Erwin Mfg. Co.

J. Walter Spalding, of A. G. Spalding & Bros.

Peter McCartee, of Stanley Works.

J. Leonard Varick, of Union Nut & Bolt Co.

W. M. Taussig, of Wiebusch & Hilger, Ltd.

Edward C. Van Glahn, of White, Van Glahn & Co.

Henry R. Towne, of Yale & Towne Mfg. Co.

Thomas G. Duncan, of Brooklyn, N. Y.

The purposes of the association, as defined in its certificate of incorporation, are the erection and maintenance at Canton, Ohio, of a suitable memorial to the late President, and raising the necessary funds for said purposes; and after fully providing therefor, the surplus of such funds, if any, to be devoted to such memorial as may be provided for the late President at the National Capital. The memorial will be erected at Canton, that city having been his home throughout his public life and selected by him as his finar resting place.

The memorial is to be, in the highest sense, the sincere expression of all the people of the country of their love for President McKinley and of their admiration for the qualities expressed so eminently in his life and deeds.

It is the purpose to have the offerings of the people voluntary, with a full opportunity to all to contribute.

The co-operation of the Governors and officers of the States and municipalities of the United States, and all religious, educational, labor, civic, patriotic, fraternal, benevolent, and other organizations is invited.

All public officials, organized bodies, and the press are requested to take immediate steps to secure, at the earliest possible time, a full response to this appeal. The Association looks to the press of the country to lend its efficient aid to the collection and forwarding of subscriptions.

The Association will prepare and distribute to all donors to the fund a souvenir certificate which will be worthy of preservation, as evidence of the holder's participation in the work.

It is hoped that the response of the people will be so liberal that a memorial may be erected which will fittingly honor the memory of our martyred President, and emphasize their loyalty to our institutions, and their abhorrence of that spirit of lawlessness which inspired the assault upon his life.

The following letter, with circulars enclosed, has been

mailed to the Hardware trade generally, accompanied by a list as above of the names of those forming the said committee: To the Hardware and Kindred Trades:

Dear Sirs—At the suggestion of the Executive Committee of the McKinley Memorial Association of the State of New York, the undersigned have consented to act as a special Sub-Committee for the purpose of inviting and receiving contributions to the McKinley National Memorial Fund, from the gentlemen of the Hardware and kindred trades and their associates.

The objects of the Association are clearly set forth in the circular letter enclosed herewith.

Subscription blanks are enclosed for your kind consideration with the request to return same, together with the amount of your donation, to Charles A. Hauck, treasurer, 4 and 6 Warren Street, New York.

All contributions received will be entered upon the subscription list by the treasurer.

Yours respectfully.

THOMAS F. KEATING, Chairman.

It is anticipated that the response will be a liberal one, and that the labors of the Committee will be largely lightened by prompt attention being given to the above letter.

A Prospect of Industrial Harmony.

On Monday and Tuesday, the 16th and 17th inst., one of the most important and far-reaching movements affecting the industrial life of the nation was inaugurated in the rooms of the Board of Trade and Transportation in New York City. It was in the form of a conference between those representing capital and labor, and was held under the happiest auspices. The two hundred people who participated in the proceedings included the heads of industrial organizations in which many millions of capital are invested, and whose fervent wish could have conceived no happier movement for the conservation of industrial peace. There were also among those present many of the active leaders of labor organizations, who in their official capacity represented thousands of workingmen.

The meeting was called to order by Oscar S. Straus, ex-Minister to Turkey, Bishop Potter of New York being the first speaker, and who was profoundly convinced that nothing more important had ever occurred in the history of the great social and industrial problem. He stated that in his judgment this bringing together the great forces of industrial activity in a comity of intercourse and conference was the largest step in the direction of a solution of that problem of capital and labor, which was the constant subject of industrial anxiety.

Senator Hanna of Ohio, who followed, placed himself on record at once as one of the most earnest friends of organized labor. He felt that to bring capital and labor into closer relations of confidence and reliance would prove one of the grandest things worthy of accomplishment. He expressed himself as preferring the credit of bringing about a consummation of this character than of occupying the position of President of the United States.

The most harmonious spirit seemed to prevail, the general belief being prevalent that arbitration would provide a remedy for all industrial ills, if intelligent effort was properly



directed. Among others who made speeches having the objects of the conference at heart was Archbishop Ireland of St. Paul, Secretary John Phillips of the Hatters' Union, Representative Donnelly of the Bricklayers' Union, James Ryan of the Photo-Engravers' Union and Marcus Marks of the Clothing Makers' Union, all of whom founded their remarks on the belief that disputes between men in their trades and their employers could almost invariably be settled by arbitration.

William H. Pfahler, of Philadelphia, president of the National Association of Stove Manufacturers, made a convincing address in which he described the experience of the association formed by the employers in the stove trade. Mr. Pfahler said:

"We organized an association at that time—and it was a great many years ago—for defense. We began that association to defend ourselves against the aggressions of the Iron Molders' Union. We worked along those lines two or three years, fighting each issue as it rose. But we very soon learned that our point was wrong; that our approach to the question was wrong, and we changed the policy of that association to be one of negotiation, to be an association which should, from our standpoint, show the men who were in our employ the condition of affairs from their standpoint, learn the condition of their lives and industries, and to co-operate upon a line which would produce the best results.

"There has not been a strike in the stove industry. Why? We have approached that subject through representatives of each body, and if there is anything valuable in this country to-day it is the representative system, so long as these representatives are well qualified men to carry out their purposes."

President Charles M. Schwab of the United States Steel Corporation, who was one of the important speakers, expressed his decided opposition to labor unions as at present organized. In giving his reasons for this opinion, Mr. Schwab said:

"That labor unions will never succeed, as trusts never succeeded, by attempts to restrict the output or attempts to put any restriction upon trade in general.

"These great trusts that are formed in a business way to control the output of any commodity, to raise its price, they all have failed and all will fail. A trust will succeed where there are motives of consolidation for economy's sake and for regulating trade generally.

"And the laborer must take a similar position. Labor must not restrict the output. That is a fundamental principle. And I am sorry to say that every labor organization with which I have had experience in the past has had as its foundation the restriction of the output."

He said in addition:

"I should not be opposed to organized labor if organized on correct principles. It is a mistaken idea to suppose that manufacturers are opposed to labor organizations, per se. They are opposed to them as they do exist; not to labor organizations who keep their contracts, not to labor organizations who will not restrict the output, not to labor organizations who have the good of the trade they represent at heart."

A standing committee was appointed at the meeting on Tuesday to take the subject of labor troubles under further consideration, and formulate a plan to make strikes unnecessary in the future. This committee is to be composed of 12 representatives of organized capital, 12 of organized labor and 12 to represent the general public. The following is the committee appointed by Chairman Straus:

ON BEHALF OF THE PUBLIC.

Grover Cleveland.
Cornelius N. Bliss.
Charles Francis Adams.
Archbishop John Ireland.
Bishop Henry C. Potter.

Charles W. Eliot, president Harvard University. Franklin McVeagh, Chicago.

James H. Eckels.

John J. McCook.

John G. Milburn, Buffalo.

Charles J. Bonaparte, Baltimore.

Oscar S. Straus.

Ralph M. Easley.

AS REPRESENTATIVES OF ORGANIZED LABOR.

Samuel Gompers, president of the American Federation of Labor. John Mitchell, president of the United Mine Workers.

F. P. Sargent, Grand Master of the Brotherhood of Locomotive Firemen.

T. J. Shaffer, president of the Amalgamated Association of Iron, Steel and Tin Workers.

James Duncan, president of the Granite Cutters' Association.

Daniel J. Keefe, president of the International Association of 'Longshoremen.

Martin Fox, president of the National Iron Molders' Union.

James E. Lynch, president of the International Typographical
Union.

Edward E. Clarke, Grand Conductor, Brotherhood of Railway Conductors.

Henry White, secretary of the Garment Workers of America.

Walter MacArthur, editor of the Coast Seamon's Journal, San
Francisco.

James O'Connell, president of the International Association of Machinists.

REPRESENTATIVE EMPLOYERS.

Senator Marcus A. Hanna, Cleveland.

Charles M. Schwab, president of the United States Steel Corporation.

S. R. Callaway, American Locomotive Works.

Charles Moore, president National Tool Co.

J. D. Rockefeller, Jr.

H. H. Vreeland, Metropolitan Street Railway Co.

Lewis Nixon, Crescent Shipyard, Elizabethport, N. J.

James A. Chambers, president American Glass Co., Pittsburgh, Pa.

William H. Pfahler, president National Association Stove Manufacturers, Philadelphia, Pa.

E. P. Ripley, president Atchison, Topeka & Sant.. Fe Railway Co. Marcus M. Marks, president National Association Clothing Manufacturers.

J. Kruttschnitt, president of Southern Pacific Railway Co.

A sub-committee was appointed to consider and formulatesuggestions for plan and scope of this permanent committee. The general sentiment of the meeting on both Monday and Tuesday seemed to be that a peaceable way out of labor difficulties could always be found by amicable and free discussion of the questions at issue between employers and their employes, and that these ends could be best served by the existence of a standing committee in which both sides should be fairly represented.

E. D. Durand of Washington, secretary of the National Industrial Commission, was among the speakers on Tuesday who cordially indorsed the plan of a committee of arbitration and conciliation, and characterized it as the most practical method of obviating labor troubles. Grand Master Sargent of the Locomotive Firemen also spoke in a similar vein, from the point of view of labor, and was followed by several other labor leaders, and also Lewis Nixon, the shipbuilder of Elizabethport, N. J. President Mitchell of the Mine Workers said that he had never known a strike which could not have been avoided if the employers and men had been permitted to meet in conference, and a similar opinion was expressed by Samuel Gompers.

On Wednesday, at the initial meeting of the standing committee, Senator Hanna was elected chairman, Samuel Gompers and Oscar Straus vice-chairmen; Charles A. Moore, treasurer, and Ralph M. Easley, secretary. By-laws will be adopted and the general plan of action will be decided upon at a further meeting of the general committee to be held in the latter part of January.



If you want your store made attractive light it with

STERLING ARC SYSTEM

The simplest lamp, with fewer parts than any other on the market. Nothing to get out of order. No taking down to fill. Always ready for use.

ALL GOODS WARRANTED FOR TWO YEARS

WRITE FOR OUR SPECIAL PROPOSITION TO HARDWARE DEALERS.

Sterling White Light Gas Lamp Co., STERLING, ILL.



1902 Model ready for delivery Jan. 1st.

Removes cut and dead grass, leaves, refuse, etc., from the lawn and sweeps SIDE-WALKS, PAVED STREETS and FACTORY FLOORS! Made right, looks right, is right and guaranteed.

THE GREENE MFG. CO.,

JOBBERS

wanting a 1901 NOVELTY, that is a 1902 NECESSITY, must handle

> THE "APOLLO" LAWN-SWEEPER

> > 20, 24 and 28 Inch Sweep.

Write for booklet and discounts.

12 East St., Springfield, Ohio, U. S. A.

TT is consecutive, continuous, persistent efforts that win in advertising as in all other affairs of business. The twelfth advertisement carries part of the weight of each of the preceding eleven, and the twentieth is worth ten times the first. The first is simply an introduction, and few people remember an introduction unless subsequent meetings serve to impress it upon them. Friendship ripens slowly. This is true in social life, in business and in advertising .-American Poultry Journal.

Baldwin Refrigerators.



New Styles and Designs for 1902.

Porcelain, Metal or Spruce Lined.

Ash, Oak and Softwood Finishes.

Dry Air and Positive Circulation.

Latest Cleanable Features.

The Strongest and Best System of Patent Removable Metal Air Flues.

The Best Lock in the World.

Air-tight Waste Trap.

Ball-bearing Casters Swing Base

Workmanship and Finish Beyond Criticism.

We have the best and most thoroughly equipped exclusive Re rig. erator Factory in the East. We have learned how to make the best Refrigerator and we always do it. We have had over 25 years' practical

HANDSOME NEW CATALOGUE READY.

Baldwin Refrigerator Co., Buringto

REDUCES DUST 97%

The result of a test by the Milwaukee Health Department proves the superiority of dustless sweeping over all other methods.



Che World's Only Sanitary Dustless Floor Brush

is a patented device having attached to it a reservoir which contains kerosene oil. This oil is absorbed by the specially prepared fibre in the brush, causing just sufficient moisture to roll the dust into balls or pellets instead of rising in the air

The World's Only is sanitary, destroys gerns, prevents disease, sweeps cleaner, quicker, better than any other broom or brush.

We want a dealer in every town to represent us

MILWAUKEE DUSTLESS BRUSH CO., MILWAUKEE: WIS.

ANY LAWNS IN YOUR TOWN?

If there are you can easily sell

The Dunham Jr. Kand Lawn Roller

Sell one and the effect on the lawn is so quickly evident that a demand is created at once. Don't wait until Spring to get them.

JUST THE RIGHT SIZE TO DO GOOD WORK.

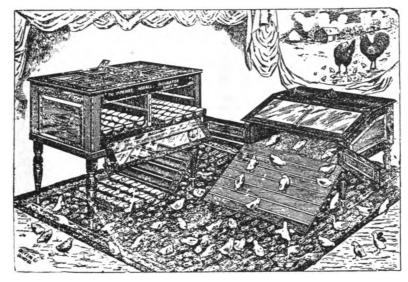
J.W. DUNHAM & SON.



IMPROVED NOXALL INCUBATORS AND BROODERS

Manufactured in Sizes from 50 to 800 Eggs.

We have decided to place our Incubators and Brooders on the market through the Hardware dealers, and we offer them the exclusiveagencyandgive them a liberal discount. Good profits. We run an ad. stating where Incubators and Brooders can be seen. Noxalls are fully warranted. Used by the largest poultry raisers. Simple, durable and self-regulating.



OUR 1902 INCUBATOR has all the Latest Improvements, and is guaranteed to be as represented or money refunded. Our new developments make the Noxalls a Dead Sure Success.

We offer \$100.00 to any manufacturer who will produce an Incubator and Brooder that will hatch and raise as many chicks as the Noxalla. They are indorsed by the best poultry and agricuitural papers, and are backed by sworn Testimonials. Write us at once for the agency. 20th Century Catalogue 4 cts.

Box 54. NOXALL INCUBATOR & BROODER CO., Quincy, III.

There is no kind of advertising so cheap as newspaper advertising and there is no kind that produces such immediate and satisfactory returns. The posting of bills, the use of street car signs and the mailing of circulars costs infinitely more per thousand for the same amount of advertising and it is seldom so effective.

ROLLER SKATES.



A Full Line for SIDEWALK AND RINK.

Send for Catalogue.

Union Hardware Co., TORRINGTON, CONN.

N. Y. Office in charge of TOWER & LYON, 95 Chambers St., New York.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852

Tools, Cutlery and Springs.

SCREWDRIVERS OF ALL KINDS



PORTER HAY TOOLS.



Largest and most successful line of Hay Carriers manufactured. Barn Door Hangers, Porter Hay Presses. Force Feed Corn Planters. Send for Catalogue and Price List.

J. E. FORTER CO., Ottawa. III.

A Great Labor Saver.

Will pay for itself in a single day. Where Steel Giant Grubbers are kept and shown a large trade is soon established. They are a necessity to almost everybody owning land. Moderate price. Large margin of profit to the dealer.

Sample orders solicited and promptly filled.

New Gentury Manufacturing Ge.

79 East 130th Street, New York.



Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

Incorporations, New Stores, etc.

Bushnell, S. Dak.—Reideman & Coombs are arranging to start a new Hardware store. They will also handle farm machinery, etc.

Charlottetown, P. E. I.-Stanley, Shaw & Pearden.

East Syracuse, N. Y.-Frank Orchard and George Davenport have opened a Hardware store and general repair shop in the Ball block in Manlius Street.

Evansville, Ind.—Clifford Hardware Co. has been incorporated. Capital stock, \$60,-000. Incorporators: A. G. Clifford, G. S. Clifford, J. L. Orr and B. V. Somes, of Evansville, and F. E. Smith, of Vincennes.

Frederick, Okla.—The R. C. Neal Hardware Co. has been incorporated. Capital stock, \$10,000. Incorporators: R. C. Neal, of Frederick, R. S. Kelly and R. A. Kelly, of Vernon, Tex.

Goldsboro, N. C.-Governor Aycock is an incorporator of the Wayne Hardware Co., which has been granted articles of corporation by the Secretary of State. The capital stock is \$30,000 and may be increased to \$100,000. The incorporators are W. H. Smith, B. F. Aycock, J. Egerton, N. O. Berry, Charles Dewey, B. Borden, Jr., Geo. C. Royall, J. Powell, B. H. Griffin, Chas. B. Aycock and F. A. Daniels.

McKeesport, Pa.-The Hartman Hardware Co. has just been chartered with a capital of \$75,000. The officers are: George Hartman, president; W. E. Hartman, vicepresident; C. N. Hartman, secretary; J. A. C. Sword treasurer.

Portland, Ore.—Articles of incorporation for the Coleman Hardman Co. have been filed in the County Clerk's office by H. C. Coleman, H. C. Ross and Carrie M. Coleman. Capital stock is \$10,000.

Vermillion, S. D.-Articles of incorporation have been filed for the Hawkins Hardware Co., with a capital of \$25,000. Incorporators, Elbert D. Hawkins, Myron D. Thompson and Marie L. Hawkins.

Changes and Improvements.

Anniston, Ala.-E. E. Cheatham has purchased the business of the Dixie Hardware Co.

Bessemer, Ala.-I. A. Lewis has purchased the Hardware stock of H. L. Bains and will take possession as soon as the transfer can be made. Mr. Lewis has rented the store now occupied by Mr. Bains, which adjoins Mr. Lewis' present quarters, and, cutting an arch between, will conduct them both.

Carroll, Iowa-George P. Wetherill, of the firm of Wetherill & Gnam, Hardware dealers of this city, has sold his interest in the business to his partner, L. A. Gnam.

Cedar Falls, Iowa—H. P. Jacobson has sold his Hardware stock.

disposed of his Hardware business in Tyler block to W. H. Proctor, who for the past eight years has conducted the business of Mellen & Proctor in Brattleboro, Vt. He expects to take possession here January 1st

Denton, Tex.-G. W. Wilson, formerly head of G. W. Wilson & Co., has purchased the stock of the Long Hardware Co. and will take charge of the business Januarv I.

Easton, Kan.—It is reported that F. M. Seward has sold his Hardware store to Paul Sieben.

Escondido, Cal.—The Hardware business mercial Street. Small loss. which has been conducted by Arthur Jones has been sold to Ed Churchill.

Fairdale, Ill.-W. I. Miller has bought back from Mr. Sullivan all the buildings connected with the Hardware store which Partially insured. he sold him about one year ago.

Hartland, Me.-Mr. Bowman has bought Co. Loss, \$2,000. out C. H. Smith's Hardware business.

Haskins, O.-Wm. Witte has purchased Fully insured. the Cunning Hardware store and is now sole proprietor.

added a complete assortment of Hardware to his large stock of general merchandise.

McCoysburg, Ind.-C. A. Lee has purchased a Hardware store in Medaryville.

Moundsville, W. Va.-James K. P. Barker has purchased of George S. T. Griffith the building and stock of Hardware at the corner of Second Street and Washington Avenue.

New Haven, Conn.-An important business transfer which will be finally established when the reconstruction of the building at 294 and 296 State Street is finished, is that of the purchase of the Buckingham Hardware Co., by the Bronson & Townsend Co., now at 406-408 State Street.

Newton, Kan. - The Follett stock of Hardware and implements has been moved to its new location at the corner of Main and Sixth Streets.

Olds, Iowa-Wm. Arthaud and his brother-in-law have sold their Hardware store and bought one in Wapello.

Phoenix, Ariz.—By a transfer of stock munition, etc. made recently, W. T. Smith embarks in the Hardware business in this city, having secured the control of the majority of the stock of the J. B. Long Hardware Co. The company is capitalized at \$25,000.

Princeton, Minn.—The Princeton Hard-! mercantile business.

has purchased the Hardware store of Mrs. E. P. Weber, in Souder's block, and taken possession.

who for several years has conducted a be sold for benefit of creditors.

Clinton, Mass.-Eugene O. Pratt has sporting goods store, has retired from business.

> Randolph, N. Y.-Freeborn & Rich are now in charge of the Hardware store formerly conducted by Thornton & Freeborn.

> Schuylerville, N. Y.-George S. McRae & Co. have finished moving their stock of Hardware to their new store on Broadway.

> Washington, Iowa-The Nicola Hardware Co. has sold out, Mr. Campbell now being in partnership.

Recent Fires.

Alhambra, Ill.—Gehrig's Hardware store. Branchport, N. Y.-Edward Brown.

Boston, Mass.—J. Birnbaum, 274 Com-

Cambridge, Mass.-Frederick Glynn, fire loss.

Centre Square, Pa.—Sylvester B. Drake. East Worcester, N. Y.-Egbert Snyder.

Jonestown, Miss.-Jonestown Hardware

Marion, O.-Ryan & Burke. Loss, \$1,500.

Massey, Ont.-P. Anderson.

McDowell Natchez, Miss. - Baker & Lisbon, N. H.-N. G. English has just Hardware Co. Loss, \$15,000. Fully insured.

> Osnabrock, N. D.-Bidlake & Kitchin. Paterson, N. J.-Samuel Sorenson, fire loss.

> Pawnee, Okla.--C. T. Soulsby. Loss. \$8,500: insurance, \$5,000.

> Perry, N. Y .-- Olin, Peek & Grieve. Loss. \$500; fully insured.

> Toronto, Ont.—Thomas Fane, 367 Yonge Street, forty bicycles burned. Insured.

> Vermillion, O.-Bailey & Wilbur. Loss, \$6,000; insurance, \$4,000.

Woburn, Mass.-L. Waldo Thompson.

Burglaries.

Chatham Centre, N. Y.-Stephen Come. Loss. \$40.

Joplin, Mo.-Miners Hardware store. Cutlery, etc.

Quakertown, Pa.-Mrs. E. P. Weber. Cutlery.

Philadelphia, Pa.—Armour Bicycle Co.'s store, 1202 Girard Avenue. Loss, \$200.

Wapakoneta, O.-J. H. Doering.

Miscellaneous.

New York, N. Y .- At the annual meeting of the stockholders of the New York Colt Arms Co., held at 44 Broadway, the following directors were re-elected: John ware Co. has filed with the Secretary of H. Hall, president; William C. Skinner, State an amendment to its articles of in- vice-president; Frank A. Schirmer, treascorporation changing its name to the Evans urer; George E. Armstrong and J. F. A. Hardware Co. It will engage in a general Clark. The New York Colt Arms Co. holds all the stock of the Colt Arms Co., of Con-Quakertown, Pa.—William S. Cressman necticut, which is engaged in the manufacture of firearms.

Embarrassments.

Portsmouth, Va.—Northrop & Baker, 701 Rutherford, N. J.-William Lawranceson, High Street, have assigned and goods will





when you see

WARISTES

Bearing this label

You may be sur

they are the best made.

CARRIAGE VARNISHES,

RAILWAY VARNISHES,

PIANO VARNISHES,

WOOD FINISHES

VARNISHES AND JAPANS OF ALL GRADES, AND FOR EVERY USE KNOWN.

BERRY BROTHERS LT'D.

NEW YORK, 252 PEARL ST., BOSTON, 520 ATLANTIC AVE., BALTIMORE, 22E. LOMBARD ST. PHILADELPHIA, 26& 28 N. FOURTH ST., CHICAGO, 15&17 LAKE ST., CINCINNATI, 304 MAIN ST., ST. LOUIS, 112 FOURTH ST., SAN FRANCISCO, 12 FRONT ST.

FACTORY & MAIN OFFICE, DETROIT.

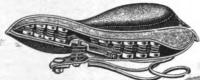
IF YOU HANDLE VARNISH IT WILL PAY YOU TO DROP US A LINE.

"THE RIDER"



The Only Bicycle Seat made that is Absolutely Comfortable and Durable.

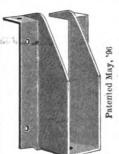
In the "Rider" Saddle we have all the objectionable features eliminated. Its unique features are its upholstered seat and adjustable nose.



"Its Nose is Adjustable, Soft and Fle Hence impossible to hurt or i

Ask about

RIDER



NATIONAL STEEL JOIST HANGER, FOR WOOD HEADER AND BRICK WALLS.

THE NATIONAL IRON & WIRE CO.,

Structural and Builders' Iron Work.

Sole Makers, CLEVELAND, O.

CHANDLER & BARBER, F. B. HAWKINS CO., PALAGE HARDWARE CO.,
New England Agents,
Boston, Mass.
New York, N. Y.
Pacific Coast Agents,
New York, N. Y.
San Francisco, Cal.



Watchman's Time Detectors That Cannot Fail.

Made with 12 or 24 different keys. Contain all the modern improvements. Warranted in every way. Cannot be tampered with, without detection.

Manufactured by

E. IMHAUSER & CO., 206 Broadway, New York.
Write for Catalogue. Highest Award Pan-American Exposition.

"WILLOUGHBY" COKE AND COTTON SEED FORKS.



Are made exclusively from highest grade crucible steel manufactured expressly for our requirements.

Using only High Grades of Steel manipulated by the most approved methods and machinery, and by skillful workmen, we stand pledged to a high standard of excellence in all our various products.

Ask for catalogue and prices-they are interesting.

THE WILLOUGHBY FORK & MFG. CO.

Willoughby, Ohio.



WARE MANUFACTURERS' RECORD.

Hardware manufacturers over the country, quested to contribute to this page. News of new factories or companies, changes improvements, etc., will be gladly received, and promptly published.

New Incorporations, Etc.

Avery, O.—The Hoover & Prout Co. has made application for articles of incorporation for the purpose of conducting a manufacturing business. The company will manufacture potato diggers and other agricultural implements. The capital stock will be \$100,000. Those who are interested in the company and whose names appear as McKeesport. The company will manufacincorporators are Isaac W. Hoover, H. J. ture gas stoves and ranges and gas and coal Hoover, A. L. Hoover, Nellie G. Hoover, heaters. Almost 100 men are employed at A. H. Prout and E. H. Prout.

cated an iron bedstead factory in Hagers- are: President, William E. Hartman, of town, is arranging to establish here a wire McKeesport; vice-president, W. F. Mcscreen door and window factory to em- Crea, of Pittsburgh; secretary and treasploy 75 hands. The building is to be 60 urer, Charles F. De Long, of McKeesport. by 150 feet.

taken up the manufacture of a line of small its articles of incorporation put on record tools, such as nail and tack and shoemakers' with County Clerk Kuebler. It will make hammers, meat pounders, potato mashers, all sorts of machinery used in the bakery etc.

been incorporated. Objects, manufacture local agent, Abraham Kaiser and Henry heaters, stoves, etc.; capital, \$50,000. In- Hahn. corporators, Eli Thomas, E. B. Call, A. G. Thomas, P. B. Shirey

Dayton, O.—The National Automatic Hardware. Capital, \$100,000. with a capital stock of \$125,000 for the pur- of Brooklyn. pose of manufacturing special automatic machinery and tools. largely composed of men from the National has been issued at Harrisburg. The com-Cash Register Co. The vice-president and pany has a capital stock of \$50,000. general manager being F. J. Nutting, who for the past eight years has been in charge have been filed with the county clerk by the of the tool and machinery designing department of the National Cash Register works.

Detroit, Mich.-Articles of incorporation of the Triangle Tool Co. have been filed stock is \$10,000, and the stockholders are: William Koeller, Sr., Henry Dyer, Wm. F. tal stock, \$500,000. Koeller, William Huebner and Albert Schneider, August Lindow, W. Schweitzberger and Peter Zubrigg.

Dover, Del.-The Pittsburgh Twist Drill and Tool Co., of Pittsburgh, has been incorporated. Capital, \$250,000.

Forestville, Conn.—Edward Fowler, of Stafford Avenue, expects to manufacture a new nail puller, which he has invented and ooo, and it will carry on the business of patented.

Fremont, O.—The Jackson Knife and Shear Co. has been incorporated. Capital stock, \$325,000.

Hartland, Me.-N. B. Turner, of St. Albans, has his new shovel handle shop completed, and has begun turning out shovel handles.

Enterprise. The new industry will em- to Bateman & Frost. The plant is being ploy 200 men.

Martin's Ferry, O.-The Uneeda Tool and Machine Co. is the name of a new or- Standard Seamless Wire Co. is to be reganization which has recently been formed moved from this city to Providence. in this city and has already been incorporated at Columbus. The new company will manufacture agricultural implements, which are patents of a Mr. Perry, of Detroit, Mich., including a combination plough and harrow, potato digger and steel scoop.

McKeesport, Pa.—The Keystone Mfg. Co., composed of McKeesport and Pittsburgh capitalists, have begun operations at the new plant. The company is capitalized Baltimore, Md.—J. F. Horton, who lo- at \$50,000. The officers of the company

Newark, N. J.—The National Dough Burton, O.—The Burton Handle Co. has Cutting and Scaling Machine Co. has had business. The capital stock is \$50,000. The Camden, N. J.-Mellott Heating Co. has incorporators are: James Park, who is the ascertained yesterday, however, that the in-

New York, N. Y .- Neal & Brinker Co. has been incorporated to manufacture Directors: Tool Co. has recently been incorporated B. B. Neal, E. B. Brinker and J. W. Scott,

Pittsburgh, Pa.—A State charter for the The company is Simpson Stove & Mfg. Co., of Pittsburgh,

Rochester, N. Y.—Incorporation papers Napier Saw Co., of this city; capital stock, \$25,000. The directors of which are W. H. Tobey, C. N. Pratt and Charles Napier.

with the Wayne county clerk. The capital Works has been incorporated. Directors, as yet, but it is said to be considerably J. Oliver, J. D. Oliver and G. Ford. Capi- O'

Trenton, N. J.—Charles Everdale has purchased a site opposite the Oliphant pottery, where he intends to erect a shop for the manufacture of knobs and locks.

Windsor, Conn.-The Windsor Hardware Mfg. Corporation has filed a certificate of incorporation in the office of the Secretary of State. It has a capital of \$10,manufacturing a patent meat chopper. Tl incorporators and officers are: President Thomas B. Chapman; vice-president, Wi liam S. Post; secretary, Robert H. Chaj

Changes and Improvements.

Bristol, Tenn.-The Enterprise Foundry Hnutsville, Ala.—A \$150,000 handle plant Co. will devote its attention solely to the will be located here by Jos. Michener and manufacture of stoves, having leased its W. E. Henderson, formerly of Troy and boiler and machine shops and brass foundry

enlarged.

Central Falls, R. I.—The business of the company's interests and property has been merged into that of the Burden Wire & Supply Co., and hereafter all the manufacturing will be done in that city.

Fort Wayne, Ind.—The sale is announced of the Fleming Mfg. Co., makers of road scrapers, snow plows, etc., to the Indiana Road Machine Co. for \$52,500.

Recent Fires.

Brooklyn, N. Y.—The saw factory of Joshua Oldham & Son, 112 to 130 Twentysixth Street, was completely destroyed by fire recently. Loss, \$75,000.

Crawfordsville, Ind.—This city sustained the heaviest fire loss in her history when the new plant of the Crawfordsville Wire and Nail Co. was wrecked. Property worth considerably over \$100,000 was destroyed in less than an hour. It was thought for a while that the loss would absorb the capital stock of the company, it having in use borrowed money to the sum of \$55,000 and carrying only \$25,000 insurance. It was surance and book accounts would more than pay the indebtedness, leaving the plant with its valuable salvage for the company.

Lincoln, N. J.-A fire started in the storage rooms of the Franklin Enamel Works, at this place, recently. Despite the heroic efforts of the fire department, the building was destroyed before the fire could be extinguished.

McGowan, Tenn.-F. H. Clark's saw and ax-handle factory burned here recently. The loss is about \$2,000; no insurance.

New York, N. Y.—The plant of the National Enameling & Stamping Co., in Williamsburg, occupying nearly an entire block, has been totally destroyed by fire. No South Bend, Ind.—Oliver Chilled Plow accurate estimate of the loss can be made **~-** \$500,000.

> 'ander, Wis .- The Wabash Screen nt was entirely destroyed by everal residences near the The total loss is \$400,-"rance.



QUALITY IN EVERY WAY THE BEST BASH AVE. CHICAGO ILL. 409 BROADWAY N.Y. SILVER PLATED WARE

You don't have to hunt for centre in shaft and then for your watch while balancing on a ladder.

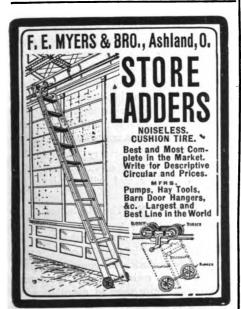


The Tabor Revolution Counter, Elizabeth, N. J.

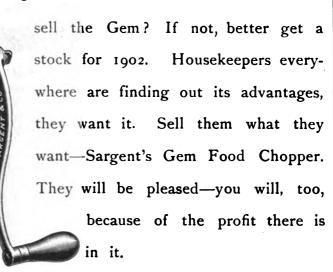
SOMETHING NEW "STANDARD" BALL-BEARING PHILADELPHIA CASTERS.

Samples and Catalogue free. Standard Caster & Wheel Co.,





Merry Christmas! Do you



SARGENT & CO., Manufacturers,

New Haven, Conn., New Philadelphia, Boston. New York,

WALK CLEANING TOOLS.



Best Tools Made For Clearing Snow and Ice.

Walk and Street Scrapers.



TOOL CO.. IOWA FARMING

FORT MADISON, IOWA

IUST A LITTLE HIGHER



In price, but so much

HIGHER IN QUALITY

that the great majority of dealers prefer to sell

CALDWELL SASH BALANCES

They can recommend them with clear conscience. Write for catalog.

Caldwell Mfg. Co.,

4 JONES ST., ROCHESTER, N. Y.



Send for DESCRIPTIVE CIRCULAR PRICE LIST.

દુર્ત જેવા એક પુરા પાર્ટિક પાર્ટિક કરી છે. જેવા માટે કરી છે. જેવા માટે કરી છે. જેવા માટે કરી છે. જેવા છે. જેવા જેવા અને જેવા કરી છે. જેવા માટે કરી છે BICYCLE AND SPORTING GOODS RECORD.

Bicycle manufacturers and dealers, country over, are requested to contribute to this page. News of new stores, changes, imrovements, etc., will be gladly received, and romptly published.

New Companies, Agencies, Etc.

Adams, Mass.-W. H. Kirkpatrick, of Hartford. Conn., is here with a view to opening a bicycle store in the Spring.

Buffalo, N. Y.-The Niagara Motor Vehicle Co. has been incorporated. Capital, \$25,000. Directors, C. F. Stone and H. A. Weed, of Binghamton, and R. S. Weed, of Buffalo.

Buffalo, N. Y.—The G. A. Hosmer Co. has filed a certificate of incorporation. The company is capitalized at \$15,000, and proposes to manufacture lubricating oils and The directors for the bicycle supplies. first year are: Oliver Cabana, Giles A. Hosmer and Leon M. Cabana.

Chicago, Ill.—Chicago Moto-Cycle Co. has been incorporated; capital increased has been appointed manager of the Columfrom \$2,500 to \$4,800.

Cleveland, O.-C. K. Sunshine, J. Landsman and others have organized the Double Rubber Tire Co., with a capital stock of \$50,000 paid in. They propose to erect a factory in Akron for the production of the Stein patent pneumatic tire, which is adaptable for use on both bicycles and automobiles.

Downsville, N. Y.-E. V. Merritt has opened a repair shop.

Newark, N. J.-With an authorized capital stock of \$1,000,000 the Airless Pneumatic Tire and Rubber Co. have filed articles of incorporation in the county clerk's office. The concern proposes to place upon the market an airless pneumatic tire, to manufacture and sell motor vehicles, bicycles, bicycle supplies and deal in a general line of rubber goods. The capital stock is divided into 10,000 shares of \$100 each, and fifty shares have been subscribed by George F. Maguire, Herbert D. Cohen and Nathan F. Giffin, all of this city.

Newark, O.—The Hoover-Ball Co. is the name of a new firm, the outgrowth of the Newark cycle store. The members of the firm are H. J. Hoover and E. F. Ball.

Pasadena, Cal.—The Automobile and Bicycle Livery Co. has been incorporated with a capital stock of \$25,000. The directors are Lucy A. Willard, N. T. Horton, J. H. Gipp, A. C. Herrick and John A. Goodrich, all of Pasadena.

Putnam, Conn.-Albinie Delisle will open a repair shop.

Sheboygan, Wis .- The Fairweather-Weigand Co. has been incorporated by Samuel Frampton. Fairweather, Paul Weigand and Samuel Fairweather. The new company will conduct a bicycle and sporting goods store.

Changes and Improvements.

Akron, O.-The B. F. Goodrich Co. is ceeds John Brown, Jr. planning to make an important addition to its already immense factory.

Bangor, Me.-J. Bert Baxter, formerly

with Dame, Stoddard & Kendall, of Boston, a line of skates, cutlery and high grade the business on January 1st. sporting goods, including many novelties.

Batavia, N. Y.—The Batavia Rubber Tire Co. have removed their offices to the office of the Batavia Carriage Wheel Co., and have closed their store in the Pan American Block. Alva M. Colt and Dr. C. W. Gardner, who were respectively treasurer and vice-president of the Batavia Carriage Wheel Co. from its formation to the present year, have resigned.

Boise City, Idaho.-William M. Van Buskirk, a practical gunsmith from the East, has decided to locate in Boise and has bicycle shop at 108 South Ninth Street.

Boston, Mass.-W. E. Eldridge, once the bia branch, in Boston.

Boston, Mass.—The Equitable Distributing Co. has removed to 74 India Street; it was formerly located at 53 Hanover Street.

Boston, Mass.—Brown & Wales, who for many years were engaged in the cycle jobbing trade, have discontinued that branch of their business. Manager Clark, who was formerly in charge of the department, has associated himself with the E. P. Blake Co., of the same city.

Branford, Conn.-B. M. Prescott has closed his cycle store for the Winter and taken a position.

Brockton, Mass.—Pickard Bros. will erect a four-story building.

Buffalo, N. Y.-Ephraim Bros., proprietors of the Buffalo Tire & Rubber Co., 59 East Genesee Street, and proprietors of the Progressive Store, bicycle department, 331 Main Street, have purchased the stock, fixtures and good will of Finn & Sullivan, 625 districts. Main Street, which business they will con-

Chicopee Falls, Mass. - The American ing Street, closed. Bicycle Co. has leased the old Spalding bicycle factory to the J. Stevens Arms and Tool Co. It will be employed in the manufacture of rifle barrels.

Fergus Falls, Minn.-J. E. Beebe has bought the complete stock of bicycles, sporting goods, musical instruments and repair materials formerly owned by C. W. Wilson, For 1902 they will be made not only with and will conduct the business.

Wellesley, Mass.-Fred A. Fowler, of this village, has purchased the bicycle store in Central Street, formerly owned by W. R.

Genoa, N. Y.-Robert Tabor has closed his repair shop.

Great Barrington, Mass.—Frank Minkler has purchased the business of C. E. Cross. one of the most prosperous manufacturers Great Neck, L. I.—George Bullen suc-

Eimer Co. has closed its store for the will give its entire time to manufacturing Winter.

Hartford, Conn.-J. J. Ward, proprietor has taken charge of M. Abbott Frazar's of the Connecticut Rubber Co., previous to store at 191 Exchange Street, formerly oc- the incorporation of that firm, has sold his cupied by Meyer Levy, and has opened up interest to F. W. Starr and will retire from

> Homer, N. Y.-E. B. Richardson has purchased the business of Quick & Radway. Natick, Mass.-J. A. Purcell & Son have closed their cycle store for the Winter.

> Penn Yan, N. Y .- Whitfield & McCormick's bicycle business has been bought by Wilkins & Ellis, who have conducted a repair shop there for some time. Norway, Me.—H. & E. Sanborn have re-

tired from business.

Jamaica Plain, Mass.-Charles E. Johnquist has closed for the Winter.

St. Johnsbury, Vt.-E. M. Courcheine, lately purchased the Derifield gun and 69 Eastern Avenue, has closed for the Win-

Syracuse, N. Y.-A. G. Bolster, manager largest bicycle dealer in Newark, N. J., of the Syracuse branch of the Fisk Rubber Co., will be at his old stand next season. He has invented an air valve for pressure tanks which he intends to push.

> Rochester, N. Y.-C. J. Conolly, formerly at 47 Exchange Street, has removed to Fitzhugh Hall, where a portion of the building is set aside for bicycles, another portion for automobiles, and the entire floor space ready at any time for conven-

> tions and exhibitions.
> Indianapolis, Ind.—The Indianapolis Automobile & Bicycle Co. is no more. Koehring & Bro. have moved the bicycles to their Virginia Avenue Hardware store.

> West Gardner, Mass.—The cycle store owned by C. A. Adams and L. A. Hartwell has been closed for the Winter.

> New York, N. Y .-- C. B. Barker & Co., who relinquished complete bicycles about a year ago, have taken them on again. They will handle the Crawford in the metropolitan, Long Island and Northern New Jersey

Plainville, Conn.—E. G. Bassett, closed. Plainville, Conn.—George White, Whit-

Ithaca, N. Y .-- J. W. Owen has purchased the repairing business of Nathan-Hanford; the latter will continue to conduct his retail store.

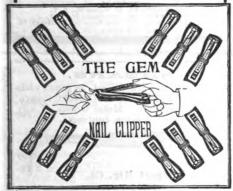
Indianapolis, Ind.—The Indiana Chain Co. have still further improved their chains. swaged centre blocks, but with milled rivets, that will add to their non-stretchability.

Santa Rosa, Cal.-Harry Hulbert has purchased the interest of L. B. Bement in the Cash Cyclery and will continue the business.

Rochester, N. Y.-The Rochester Cycle Mfg. Co., which for many years has been of high and medium-grade machines in Western New York, has gone out of the Hartford, Conn. - The Alexander & bicycle business entirely, and in the future automobiles.



The GEM NAIL CLIPPER CUTS, CLEANS, FILES.



Mounted 12 on card like the illustration.

They make an attractive show and sell like hot cakes,

SAMPLE BY MAIL, 25 CENTS.

The POPULAR Manicure

Perfect for removing hang nails. Send for circular and prices.

H. C. COOK CO.,

ANSONIA, CONN.
Please mention "HARDWARE."

AT THE FRONT

The Morrow Goaster Brake.

Greatest Labor Saver. ECLIPSE MFG. CO., Ave. 15, ELMIRA, N. Y.

Bicycle, Sleigh, House, Hand, Trip and Rotary Door

Send for Catalogue and Price-List. STARR BROS. BELL CO., Easthampton, Conn., U.S. A.

JUSTLY CELEBRATED

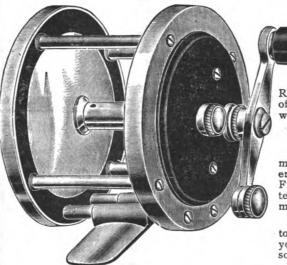
Genuine Barrios Diamonds

In Rings, Pins and Studs, \$1.00 each. Earrings \$2.00 per pair. Mail orders filled promptly upon receipt of price. Order now.



Barrios Diamond Co., 1139 Broadway. New York, U. S. A.

PFLUEGER FISHING REELS.



We are now manufacturing a com-plete line including all the popular styles and sizes:

Brass, Nickel, German Silver and Rubber, suitable for all kinds of fishing, either salt or fresh water

40, 60, 80, 100, 150, 200, 250, 300, 350 Yards.

The foreman of this department has had 25 years experience in the manufacture of Fishing Reels, and we guarantee our goods the finest in the market.

Prompt Shipments. Be sure to get our prices before placing your orders for the coming sea-

THE ENTERPRISE MANUFACTURING CO.,

Largest Manufacturers of Fishing Tackle in the United States, AKRON, OHIO.

Favorite Cas Stove.



The Cheapest. Best and most Profitable on the market. Write for prices.

Favorite Novelty Co., 139 Beaubien St., Detroit, Mich.



HEATING MILK FOR THE BABY

Improved Natural Stone Germ-**Proof Water Filters.**

The demand for Germ-Proof filters is at hand. A line of these complete filters, with our display card, will enable you to sell large numbers of them to your trade. Price sheet with big discount furnished upon application to

FULPER POTTERY CO.,

Pottery Established 1805.

FLEMINGTON, N. J.

WHERE BY EVERY BODY

THE NEW DEPARTURE BELL CO. BRISTOL, CONN. U.S.A. SELLING AGENTS ON H. GRAHAM & CO. NEW YORK CITY.



IF YOU LOYE YOUR WIFE Get her a_

Search-Light Vapor Camp

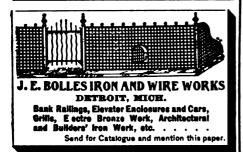
for a Christmas present. The best light for homes, stores and streets.

Catalogue sent gladly. 175 E. Division St. Chicago, Ill.



GOOD AGENTS WANTED TO SELL THE PROPERTY OF TH





Standard Stamping Co.

Manufacturers of

SHEET METAL STAMPINGS, BICYCLE PARTS, NOVELTIES, and Contractors for SHEET METAL GOODS.

Corner Seventh and Hudson Streets, BUFFALO, N. Y., U. S. A.

ROBERT MURRAY.

24 Duanc St., New York City.

General Hardware

Agent for Atlantic Screw Works.
Wood Screws of Every Description.
Agent for Maynard's Socket Shovels.



HAYES FILE CO. DETROIT, MICH

Now in our new plant with greatly increased capacity. We manufacture everything in Files.



Write uslior prices on_

Roofing Cement, Roofing Paint, &c.

J. L. PERKINS & CO., 239 Lake Street, CHICAGO.



SHEARS.

SEND FOR PRICE LIST.

Steel Laid and Hard Cast, in great variety. Nail Pullers, Screw Drivers. Plyers Wire Cutters etc. Metal Goods of any kind to order on large contracts.



The Bridgeport Mfg. Co.,
Admiral Street, Bridgeport, Con.



Decided improvement. Less friction. Can be hanged from a roller to a three-wheel cattrib wheel in the handle. Send for catalog: TRIMONT MFG. CO., Roxbury, Mass., U.S.A.

A WHOLESALE HOUSE

Wishes to communicate with manufacturers of Tools for regular deliveries for Cash. Apply

E. NEWBORGH & CO., 46 Southampton Buildings, London, W. C.

Hardwaremen's Exchange.

Notices of HELP WANTED or SITUATIONS WANTED will be inserted in this column free of charge. Should not exceed Four Lines.

ALL OTHER NOTICES, twenty-five cents per line.

Help Wanted.

ENTRY CLERK.—Good man for billing, who has had experience in this line. and knows the pump and pipe business. Address TH GOULDS MFG. Co., Seneca Falls, N. Y.

FACTORY SALESMAN.—Experienced factory salesman acquainted with Hardware jobbing trade. Must be first class. State references when applying. Address THE ADMIRAL LAMP Co., Marysville, Ohio. 266

HARDWARE SALESMAN.—A salesman acquainted with the wholesale and large retail Hardware stores of the United States and Canada, to sell specialties in Builders' Hardware and Refrigerator Trimmings. Address, stating age, experience, salary expected, and references, Brass Goods, care Hardware, 275 Broadway, New York.

Situations Wanted.

A FIRST-CLASS ACCOUNTANT, book-keeper and cashier, understanding office work in every particular, desires to connect himself with some house, where integrity and strict attention to business would meet with fair compensation. Address P. P. P., care HARDWARE, 875 Broadway, New York.

Situations Wanted.

A SSISTANT BUYER or ACCOUNTANT.—Young man (23) with long experience in Hardware and marine business, desires a position with a large concern where by strict attention to business he may receive advancement. A I references. Address ACCURATE, care HARDWARE, 275 Broadway New York.

BLACKSMITHING.—Young man, 19, would like to learn blacksmithing. Address James White, 159 Chrystie Street, New York.

BOOKKEEPER.—Man (28) well educated, desires position in any State; neat and accurate; knows Hardware business thoroughly. Address PAUL FUGLER, 387 South Ave., Bridgeport, Conn. 267

BOOKKEEPER AND SIGN WRITER.—Man, 32 years of age, with nine years' practical experience in retail Hardware as clerk and buyer, AI double entry bookkeeper and sign writer, wants like position. First class reference. Address S., care HARDWARE. 275 Broadway. New York.

BOOKKEEPING AND GENERAL OFFICE WORK.—Young man, with a thorough knowledge of French and German, and English as well, thoroughly acquainted with foreign trade, bookkeeping and general office work, six years' experience in machinery and Hardware business in France and Germany, desires position. Address M. E. S., care HARDWARE, 275 Broadway. New York.

BUILDERS' HARDWARE SALESMAN.—Hustling young man, thoroughly familiar with Builders' Hardware, and prices of same, now with large manufacturers in New York City, desires a change. Address Hustler, care Hardware, 275 Broadway, New York. 268

BUYER, MANAGER OR SALESMAN.—A gentleman of 38 with a creditable business career of 20 years in Hardware, House Furnishing, Paints, etc., seeks position. Address S. F., care HARDWARE, 275 Broadway, New York.

Situations Wanted

EXPERIENCED BOOKKEEPER is open for engagement. Has knowledge of general office work; also Hardware and Gas business. Address BOOKKEEPER. 55 Dupont Place. Johnstown. Pa. 190

EXPERIENCED HARDWARE CLERK.—Young man 27 years of age desires position with Hardware firm. Twelve years experience as clerk and salesman, both retail and wholesale. Salary moderate. Address H. T. B, care HARDWARE, 275 Broadway, New York.

FOREMAN.—Experienced in stock, packing and shipping departments of manufacturing concern. Can give good references, Address F. P. R., care HARDWARE. 275 Broadway, N. Y. 235

FOREMAN OR TIMEKEEPER.—Situation wanted by a man (32) as foreman or timekeeper. A hustler; can handle any kind of help; thoroughly posted on piece work system; 12 years' reference from last place. Address J. H. L., care HARDWARE, 275 Broadway, New York.

HARDWARE ASSISTANT.—Young man, now as assistant buyer by well-known Hardware concern, desires position in same or similar capacity where there is room for advancement. Address S. R. S., care HARDWARE, 275 Broadway, New York.

HARDWARE BUYER, MANAGER OR SALESMAN. — A practical and experienced Hardware man wants position January first as buyer, manager or salesman. Understands architectural plans. Address, Burr, care HARDWARE 275 Broadway, New York. 281

HARDWARE CLERK.—Hardware man of experience and ability wishes to locate with some house in any capacity where his work will be appreciated. Address Burton, care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN of 15 years' experience, tho oughly acquainted with the wholesale trade throughout the United States and Canada, is open for engagement January first. Highest reference from last employer. Address H. J. Benson, Bethel Church, Lancaster, Pa.

HARDWARE SALESMAN OR BUYER.—Young man desires position as salesman or buyer. Seven years' experience in importing and jobbing Hardware house. First class reference furnished. Address Y, care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN of 14 years' successful experience, as direct representative for leading manufacturer to jobbers throughout the country, will be open for engagement after January 1. Highest references. Address SALARY, care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN.—German, to visit the retail trade in city and nearby towns. Commission or salary and commission.

Address George Burckner. 227 E 87th Street, New York. 216

HARDWARE CLERK.—Wanted by a young man with experience, position as clerk in Hardware store. Has also had three years' experience at plumbing. Willing to work at it part of the time. Address Robert Craig 77 E. Columbia St., Detroit, Mich. 246

LACQUERER.—Thoroughly experienced in lacquering and the manufacturing of lacquers of all kinds, desires a position and can furnish the best of references. Address G. A. W., care HARDWARE, 275 Broadway, New York.

MACHINERY SALESMAN.—Experienced man wants to represent special or general machinery and supplies, to establish New York office, or travel and install. Address Edwards, care H. Mfg. Co., 121 Front Street. New York.

OFFICE MANAGER AND CASHIER.—A position desired as office manager and cashier by a young man with twelve years' experience. First-class references—security given, if desired. Address S. J. N., care HARDWARE, 275 Broadway, New York.

PAINT AND WALL PAPER SALESMAN.—Situation wanted by a young married man. perfectly familiar with the details of the paint and wall paper trade. Address or call. CHARLES P. LUNDQUISTE, 83 Third Street. Brooklyn, N. Y. 208

STORE MANAGER.—Position as manager or assistant manager in a retail Hardware store by a young man 24. Has had seven years' experience in Hardware, is thoroughly familiar with jobbers' prices. Would prefer position in a good, lively town in New York or Pennsylvania, At references. For further particulars address Manager, Box 106, Little Falls, N. J.

STORE OR TRAVELING SALESMAN.—Middle age, strictly temperate, experienced in retail Hardware, stoves and mill supplies. Competent to manage a business. Road experience in oils, mill supplies and other lines. Address H. K. F., care HARDWARE, 275 Broadway, New York.

Situations Wanted.

TRAVELING SALESMAN.—One of the most popular Hardware salesmen traveling in the South and Southwest wants a position January first. Has knowledge of all Hardware lines, especially experienced in Builders' Hardware, Guns and Cutlery. Address T. T. T., care HARDWARE, 275 Broadway, New York.

Export Business Wanted.

AN EXPERIENCED HARDWAREMAN who has spent some time on the road, and possessing the knowledge of how to develop a large Export Trade, here in the city, offers his services to a few ambitious manufacturers desirous of cultivating such extension of their present business. Correspondence solicited. Address Bobs, care HARDWARE, 275 Broadway, New York.

Side Line Offered.

GOOD CHANCE for Hardware salesman to sell the "Argand" Lamp as a side line; liberal commissions. Address Argand Vapor Lamp Co., Detroit, Mich.

HARDWARE SALESMEN.—To handle as a side line our laborsaving device, advertised elsewhere in this issue of HARDWARE, Liberal commission to good men. We furnish free to our agents a perfect working model, pocket size, which will lift 500 pounds. Address. DEPT. C. BURR MFG. Co., Cleveland, Ohio.

TRAVELING SALESMAN.—A young man, hustler, sober and reliable, would like to represent some manufacturer or well known jobber of cutlery in the States of North and South Carolina and Georgia. Salary no object. Very best of references. Address ROBERT, P. O. Box 262, Raleigh, N. C. 206

For Sale.

A BARGAIN.—Nice. clean stock of Hardware, Housefurnishing goods, Stoves and Ranges, with Sheet Metal business and tools. Splendid location; heart of the city; best town in the State of Ohio. Will sell at invoice—fixtures as well—want to go into the manufacturing business. Will sell store stock separate from shop, if desired. Write at once, J. B. C., care of HARDWARE, 275 Broadway, New York.

Ad. Writing.

Do You Write Ads? SERD TODAY FOR INVALUABLE INFORMATION—FREE. HARPER SYNDICATE, Columbus, O.—FREE.

Agency Offered.

LIVE HARDWAREMEN.—We would like to hear immediately from a few live Hardwaremen who would like to be sole representatives in their towns, of a concern that is in the market for business, and have a line made for "men now on earth"—a modern line THAT CAN BE SOLD to your customers. Address "Box 88," care HARDWARE, 275 Broadway, New York.

Mail Order Specialties.

LIGHT HARDWARE SPECIALTIES WANTED for a mail order business. Address The Mills Co., Cleveland. Ohio. 247



Barrett's Glass Cutters Standard Barrett's Practical Glass Cutters are the standard the world over. Sold by more Hardware Dealers than all



other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U. S. A.

FOR QUOTATIONS WRITE



ark Mfg. Co.. Buffalo, N.Y.

Lull & Porter, O. S.

'BUFFALO REVERSIBLE'

SHUTTER HINGES.

CLARK'S SURFACE BLIND HINGES, GATE HINGES, SASH PULLEYS, SPRING HINGES, CAST DOOR BUTTS, STOVE PIPE DAMPERS, ETC.



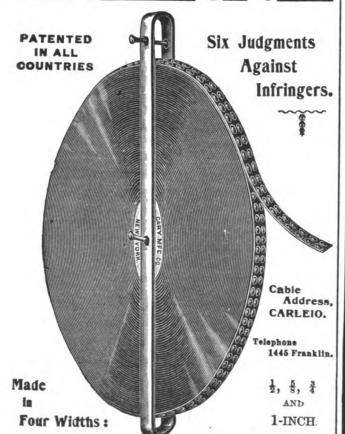
The twist in the corrugation checks the sudden fall of ice and water, thus protecting the joints. It stands hard knocks because it is corrugated. Again, it is much handsomer then plain pine Madis and the plain pine the pl than plain pipe. Made in cop-per and galvanized iron. Catalogue and information free.

Address Dept. H, THE

AMERICAN STEEL ROOFING CO.

Middletown, O.

CARY'S UNIVERSAL BOX STRAP.



CARY MANUFACTURING

19 and 21 Roosevelt St., New York,



BUILDING,

PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished

Adzes—	Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in kegs,
House Carpenters, Ogden's 50%	"V. G. P." for Trap Shooting.
Railroad ")	in kegs, 25 h
Ammunition—	in kegs, 1214 b 2.22 "V. G. P." for Trap Shooting,
ØAPS, PERCUSSION—₩ 1000—	in kegs, 61/4 lb
J. M. C. Co., trimmed edge40c J. M. C. Co., ground edge, heavy50c fusket, Waterproof, 1-10's60c	kegs, 25 fb
Lusket, Waterproof, 1-10's60c	kegs, 25 b
CARTRIDGES—	Choke Bore, Nos. 5 and 7, in
Rim Fire Cartridges50%	choke Bore, Nos. 5 and 7, in kegs, 634 b
Rim Fire Military	FFFF and FFFFF, in kegs,
Cent. Fire. Military and Sport-	Mining and Blasting Powder, (A), C, F, FF, FFFF, in kegs, 25 b. Mining and Blasting Powder, (B), C, F, FF, FFFF, FFFF, in kegs, 25 b. Du Pont Sporting Powder, for lots 1000 b 10% discount: Du Pont Smokeless Shoten
ing	(A), C, F, FF, FFF, FFFF, in kegs, 25 fb
rimed Shells and Bullets 15&5%	Mining and Blasting Powder,
B. B. Caps, Round Ball	in kegs, 25 fb
PRIMERS-	Du Pont Sporting Powder, for lots -1000 ib 10% discount:
Berdan Primers	Powder:
All other Primers	Kegs, equal in bulk to 25 h Black Powder
SHELLS—	Half kegs, equal in bulk to
First quality, 4, 8, 10 and 19 gauge25% First quality, 14, 16 and 20 gauge,	Quarter Kegs, equal in oulk to
\$7.50	614 1b Black Powder 5.78
brands, 10 and 12 gauge883/65	Canisters, equal in bulk to 1 b Black Powder 1.00 Du Pont Smokeless Rifle
Primrose Club	Powder No. 1, equal in bulk
High Ball	to 1 % Black Powder 1.00 Du Pont Smokeless Rifle
Nitro	Powder No. 3, equal in bulk to 1 ib Black Powder
Brass Shot Shells, Club, Rival and	Du Pont U. S. 30 Calibre Smokeless Rifle Powder.
Chimaz	per ib
SHELLS, LOADED— * New Club " Black Powder 40&&	• •
New Club," Black Powder40&5% 'New Rival," Black Powder40&5%	PETERS PRIMERS—
* Smokaless " Nitro Powder, 40&10&10&5%	All Primers\$1.10-1.1214
*Acme," Dense Nitro Powder, 40&10&10&5%	CARTRIDGES—
* Trap," Nitro Powder40&10&10&5%	Peters Blank Cartridges: .32 C. F., \$3.50 10&55 .88 C. F., \$7.00 10&55 .82 cal. Rim, \$1.50 10&55 .32 cal. Rim, \$2.75 10&55 .83 cal. Rim, \$2.75 10&55 B. B. Cape, Con. Ball, Swgd \$1.85-1.90 B. B. Cape, Round Ball 1.12-1.18 Central Fire 255 Pistol and Riffe 15&55
GUN WADS-\$ 1000-	.88 C. F., \$7.00
B. E., 11 up	.82 cal. Rim, \$2.7510&5% B. B. Caps. Con. Ball. Swgd\$1.85-1.90
B. E., 7	B. B. Caps, Round Ball 1.12-1.18 Central kira 255
B. E., 8	Pistol and Rifle
P. E., 8	Rim Fire Sporting50x
внот-	Rim Fire Military15&5%
Patham Bros.: \$\P\$ bag	PETERS SHELLS—EMPTY—
Drop Shot, sizes smaller than B, 25-lb bags	Peters Ideal, 10 and 12 gauge881/6&10% "New Victor, 10, 12 and 16 gauge15%
Drop Shot, B and larger sizes, 25-lb bags 1.75	" Quick Shot, 10, 12 and 16 gauge 25&5% " League, 10, 12 and 16 gauge25&5%
Buck Shot, 25-1b bags 1.75 Chilled Shot, 25-1b bags 1.75	PETERS SHELLS-LOADED (BLACK
Dust Shot, 25-1b bags 2.00	POWDER)
CANISTER POWDER—	Peters League, 10 and 12 gauge.40&5% " Quick Shot,10,12 and 16 gauge40&5%
I. I. Du Pont De Nemours & Co.: In cases of 25 each. Each	Loaded with (Semi-Smokeless Powder).
Crystal Grain, Nos. 1, 2, 8 and 4, in canisters of 1 b \$.75	Peters Referee, 10, 12and 16 gauge 40&5
Eagle Duck Shooting, Nos. 1, 2	Loaded with (Smokeless Powder). Peters New Victor, 10,12 and 16
Kagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1/4 h	gauge
Eagle Rife and Superfine Sport-	GUN WADS-
ing, in canisters of 1 b	Peters B. E., 9 to 10
AUD PODE KIDA. KG. KKG ADO	" 10 to 20
FFFg. in canisters of 1/2 b15 Du Pont Rifle, Fg. FFg and FFFg, in canisters of 1/2 lb12	9&1070d
TIPPE In contesses of 121h	" Victor, 8
FFFg, in canisters of 1/4 lb12	9&10
KEG POWDER-	
KEG POWDER— Ragle Duck Shooting, Nos. 1, 2	8
KEG POWDER— Ragle Duck Shooting, Nos. 1, 2	9&10
Eagle Duck Shooting, Nos. 1, 2 and 3, in kegs, 25 b \$8.00 Eagle Duck Shooting, Nos. 1, 2 and 3, in kegs, 124 b 4.25 Eagle Duck Shooting Nos. 1, 2	9&10
Eagle Duck Shooting, Nos. 1, 2 and 3, in kegs, 25 b \$8.00 Eagle Duck Shooting, Nos. 1, 2 and 3, in kegs, 124 b 4.25 Eagle Duck Shooting Nos. 1, 2	9&10. 8.00 11 to 20. 2.75 " Damp Proof, per 1,000: 8. \$1.50 9&10. 125
Eagle Duck Shooting, Nos. 1, 2 and 3, in kegs, 25 b	9&10 8.00 11 to 20 2.75 "Damp Proof, per 1,000: 8 \$1.50 9&10 1 25 11 to 20 1 00 "Card Board, per 1,000:
Mag POWDER— Sagle Duck Shooting, Nos. 1, 2 and 3, in kegs, 25 b \$8.00 Eagle Duck Shooting, Nos. 1, 2 and 3, in kegs, 12½ b 4, 25 Sagle Duck Shooting, Nos. 1, 2 and 3, in kegs, 6½ b 2, 25 Du Pont Rifle, FFFS, FFS, and "Sea Shooting" Fg, in kegs,	9&10. 3.00 11 to 20. 2.75 "Damp Proof, per 1,000: 8. \$1.50 9&10. 1 22

" Nitro card: 8
King's Smokeless (Shot-gun), Kegs (25hs bulk). \$22.00 Half Kegs (12½hs bulk). 11.25 Quarter Kegs (6½hs bulk). 5.75 Canister (1h bulk). 1.00 King's Smokeless (Rifle), Half Kegs (12½hs bulk). 11.25 Quarter Kegs (6½hs bulk). 11.95 Quarter Kegs (6½hs bulk). 11.00 King's Semi-Smokeless, Keg. 25hs bulk. 10.00
Half Keg, 1914hs bulk 5.95 Quarter Keg, 614hs bulk 2.75
1 ib Can, bulk
Discounts on application. Animal Pokes— Iowa Farming Tool Co.: 9 dos. Hawkeye \$3.25
Western 8.75 Anti-Rattlers— 50&10% Fernald, Wire 50&10% Burton's 50&10% Gem 60%
Gem 60% Steel Drive 40% Kohler's: 9gro. Invisible, No. 3 \$6.00 Perfect, No. 2 7.00 Bolt Holder, No. 1 9.00
Anvila— American "Horse-Shoe" 9% c Armitage's Mouse Hole 9% c Cincinnati 25& 10% Eagle Anvils, \$\mathbf{Y}\$ in \$\mathbf{D}\$ c 15& 15& 5% Hay Budden, \$\mathbf{W}\$ rought 8% c Peter Wright's 9% (2014) c Samson 40& 10% Trenton 9c Anvil And Vise Combined—
Holts
Boring Machine
C. E. Jennings & Co.: Double Spur pattern car, No. 30 50%
SWAD'S: Janning's Pattern Anger Rits
Jenning's Pattern Car
Ames
EXPANSIVE BITS—
C. E. Jennings & Co
Common
Maynew's 40&10% Snell's Bell Hangers 50% BIT STOCK DRILLS— Cincinnati Tool Co., for wood, 40&10% for metal, 50%
Cleveland Wood Bits for Brace50&10%
Detroit
Detroit

Standard Oil Tube Drills
L'Hommedieu's
Awl and Auger Handles— See Handles Awls—
Handled Brad. 40&105 Handled Scratch 40&105 Patent Peg. 505 Sewing, Com. 88c@\$1.00 Shouldered Peg. 508
Handled Scratch
Awi and Tool Sets— Aiken's Awis and Tools:
No. 10, \$\psi\$ dos. \$7.50; No. 20, \$\psi\$ dos. \$10
2, \$18; 3, \$12; 4, \$9; 5, \$7
C. B. Jennings & Co.'s Adjustable Tool Handles
Axes— First quality, best brands\$6.50@7.00 First quality, other brands6.00@6.50 Beveled, add 25c. \$\text{9} doz.
HATCHETS— Hunt's, Underhill's or Blood's40&10\$
Peck's: Champion Blade
D. Simmons & Co.; Broad Shingling and Claw
Broad
Dixons' "Everlasting ":
2-b box. 25 10-b pail \$1.99 25-b keg 2.75 50 b keg 5.00 Balances— Chailllon's:
Light, Class A
Balances, Sash— Pullman's 50&10@60s Barn Door Hangers—
See Hangers. Barrel Drainers—
National
Japanned, each, \$7.50
Extra Heavy Brass
Silver Chime 85% White Metal 55&5% DOOR Trip, Gem 405
Trip, Gem
Multi-Stroke. 40% New Departure. 45@50% cow- Common Wrought 75%
Common Wrought
Blacksmiths'
Belting, Rubber-



40	IIAIL	WAILE	DECEMBER 25, 1901.
Cleveland Rubber Co.: Price Each Buckeye	Bone Mills.	WROUGHT STEEL-	Cherry Stoners— Enterprise
Shield High Grade	Enterprise	List April 1, 1895. Bronzed Inside Blind Butts50@50&10% Bronzed Narrow. 50@50&10%	Family net \$\pi\$ doz. \$4.00
Common Standard	Borers, 'Bung.	Bronzed, Narrow	Chisel and File Handles— See Handles.
N. J. Car Spring & Rubber Co.: Extra Para	Enterprise	Fast Joint, Light Narrow S Fast Joint, Broad C Loose Joint S Loose Pin S	Chisels—
Reliable	Nos 1 2 8 C. E. Jennings & Co.:	Loose Pin	SOCKET FRAMING AND FIRMER-
Standard70&10%	No. 6	Calipers—	Buck Bros
Belting, Stitched Cotton— Sphinx Brand	Borers, Tap—	Bemis & Call: Wing	Douglass
Competition Brand	Common Ring	Double	Ohio Tool Co
Belts-	Ives	Straight Leg	Swan Witherby C. E. Jennings & Co., No. 70 Jennings & Griffin Mfg. Co. .70\$
Four Ply, 6-in. net	Boring Machines— WITHOUT AUGERS—	Can Openers—	Jennings & Griffin Mfg. Co70s
Four Ply, 7 in. net	Upright, Angular,	American # gross, \$1.75@\$2.00	BOX
Bench Stops—	Douglass' \$2.75 \$3.88 Jennings' 8.00 8.75 Millers Falls 7.50 15≴	Goodell's Acme	Buck Bros
Morrill's No. 1, \$10.00 per doz.; No.	Snell's, Rice's Pat. 2.75 8.00	Sardine Scissors	C. E. Jennings & Co
2, \$11.00	Bow Pins— Hotchkiss60&10%	% doz., \$4.50 Sprague, No. 1, \$2.00; No. 2, \$2.26;	Spear & Jackson's \$5.00 to &
Seymour Smith & Sons	Boxes, Mail.	Sprague, No. 1, \$2.00; No. 2, \$2.25; No. 3, \$2.50	Tanged Firmers'
Miller's Falls. 15&10% Weston's. 40%	Heller's	Cards—	Good quality, # b18c@20c Snell's Best C. S50
Binder Twine—	Box Strapping—	Cotton	Chucks—
White Sisal, 500 ft. to 1b 8c Standard, 500 ft. to 1b 8c	Cary's "Universal," in case lots, 20&10@20&10&10%	Wool	Beach Patent, each, \$8.06
Manila, 600 ft. to 1b	Braces— Barbers'	Carpet Stretchers— Montross' "Excelsior,"% doz.,	Combination
Bit Holders—	Barbers' Ratchet60@60&10% Common Ball American60@60&10%	\$6.00	Morse's Adjustable, each, \$7.0025% Syracuse, Balz Patent
Angular	Ives': Barbers'	Bullard's	Union Mfg. Co.: Combination40\$
Barber's, # doz. \$15.0045@50% Ives' # doz. \$20.0060&10%	New Haven Novelty70%	Carriage Bolts-	Independent
Bit Stock Drills—	Spofford	See Bolts.	Victor, No. 1, \$8.50; No. 2, \$12.50.856 Clamps—
e Augers and Bits.	New Haven Ratchet	Carriage Makers' Clamps— See Clamps.	Adjustable, Cincinnati
Blind Adjusters— Domestic. # dox. \$3.00,88144	Lancaster Mach. & Knife Works40% Peck's (P. S. & W. Co.)50&10@60%	Cartridges—	Adjustable, Hammers
Domestic. # doz. \$3.00		See Ammunition.	Malicable, Stearns' 738 Cabinet Makers or Quilt Frame, Sargent's 508 Carpenter's, Cincinnati 25&108
Zimmerman's50%	Door Screen	Casters—	Carpenter's, Cincinnati25&10% Carriage Makers', Sargent's 50@50&10%
Blind Fastenings and Tenons— Austin & Eddy 9 gro, sets\$5.50	Shelf, Bradley's Patent	Bed	Carriage Makers', Sargent's .50@50&10\$- Carriage Makers', Steams', .50@50&10\$- Carriage Makers', P. S. & W. Co.40&10
Forhan's Improved Star Tenon % gro. \$1.00	Shelf, Fancy, Sargent's list40&10 @50&5% Window Screen Corner60&10% Reading Plain	French or Phila. Iron Wheel .70&10@75% Brass Wheel	Smith's: Eccentric
Holt's Tenons	Reading, Plain	Plate	Splicing Tools
Merriman's Iron Lever 9 gr 9.00 Millers Falls 9 set \$1.00	Bracket Saw Frames—	Payson's Truck	Warner's
Security Gravity & gr	Millers Falls Co25%	Tucker's Patent, low list80%	Challenge Shank
Blind Hinges—	Bracket Sets— Millers Falls Co	Cattle Leaders— Humason, Beckley & Co.'s70&10%	Star Socket 4.25
See Hinges.	Box Hooks, Openers and Scrap-	Peck, Stow & W. Co 66% Sargent s	Clippers— Horsz—
Blocks— Burr Mfg. Co.'s Steel	ers— Humason & Beckley's60&60&10%	Weltons70&10≴	Chicago Flexible Shaft Co.'s: Chicago Belt Clipping Machine,
Chisholm & Moore Crane Load Blocks 15% Cleveland Block Co. Steel60&10@70%	Bright Wire Goods-	Chain— American Halter Chain50@50&10%	Rach \$15.00 net New '98, ChicagoBach 8.75 net
Eddy's	Standard. New list80%	American Proof Coil, Cask lots. F. O. B. Pittsburgh.	TOILET
Iron Strapped, Japanned Sheaves 70% Iron Strapped, Lig Vitac Sheaves 60% Rope Strapped, Japan'd Sheaves.60&10%	Bull Rings— Humason, Beckley & Co.'s80%	Inch. Per b. 3-16	Chicago Flexible Shaft Co.'s: \$\vartheta\$ dos. Mascot
L. V. Sheaves	Peck, Stow & Wilcox Co.'s60% Sargent's80%	5.80 5-16	Monitor
Junior, Self Sustaining30% Pat. Automatic 80%	Seymour Smith & Sons	\$6 4.00 7-16 8.85 \$4 8.75	Clips— Normey Ayle 60&10&10¢
Perfect Safety	Humason & Beckley's25%	9_16	Norway Axle
00&10&10@70%	Bush Hooks— See Hooks,	56 8.55 52 8.60 76 8.50	Coffee Mills—
Bolts— DOOB AND SHUTTER—	Butchers' Cleavers—	1	Box and Side
Cast Iron Barrel, Square, &c50&10% Cast Iron Chain50&10%	Bradley's	orders of less than cask lots. Bridgeport Chain Co.:	Logan & Strobridge Conet prices National Specialty Mfg. Co30%
Cast Iron Shutter Bolts45&10% Ives' Patent Door Bolts60¢	Beatty's	Brown, Halter 60%	The Swift, Lane Bros. Co
Wrought Barrel70&10@75% Wrought Square50@50&10%	Lancaster Mach. & Knife Wks .381 @ 40% & 1. J. White	Competition Sash	Ideal Brand, New List60@60&10% Coil Chain—
Wrought Shutter, Standard list 40&10&10@50&10%	New Haveu Edge Tool Co.'s40% P. S. & W	Triumph, Coll	See Chain.
Wr't Sunk Flush, Sargent's list 50@50&10% We't Sunk Flush Stanley's list	Butcher Knives— See Knives.	Covert Mfg. Co., Halter Chain Covert Mfg. Co., Heel Chain 85%	Compasses, Dividers, &c.— Athol Calipers and Dividers40%
Wr't Sunk Flush, Stanley's list 45@45&10% Wr't B. K. Flush, Com'n, Stanley's	Butchers' Saw Blades—	Covert Mfg. Co., Rein Chain	Bemis & Call Co.'s: Compasses
list	Millers Falls Co. Star15@15&10% C. E. Jennings & Co25&10%	Covert Mfg. Co., Stallion Chain Galvanised Pump Chain	Dividers
CARRIAGE, MACHINE, &C	Butter and Cheese Triers—	German Halter Chain, list July 24, '97	70@70&10\$ Copeland's Extension40\$
Bolt Ends	Ordinary Black Handle	Jack Chain, Iron	Stevens' "Leader"
Carriage, Common	Butt and Rabbet Gauges-	Oneida: Niagara60%	Starrett's Fay's Patent Spring Calipers and Div25&10#
Phila., Eagle, list June 1, '9980% Sleigh Shoe	Stanley's25&10% Butts—	Trace, Wagon and Fancy Chains,	Wright's
TIRB—	BRASS-	New List50&10@50&10&5≴ cow ties—	Coopers' Tools— Bradley's
American Screw Co.: Bay State, Plain, list Dec. 28, '99.77148 Bay State, Finted	Cast Brass, Fast Joint40&10@50a Cast Brass, Ice House40s	American	Barton's
Bay State, Finted	Cast Brass, Loose Joint 40&10@50% Wrought Brass, list Sept. '96.40@40&5%	Covert Mfg. Co.:	L. & I. J. White
Common, list Dec. 28, '99	CAST IRON-	Hemp45% Jute85%	Corkscrews—
Portchester. Norway771/25	Loose Joint 60&10&5@70% Loose Joint, Japanned 60&10&5@70% Loose Joint, Jap. with Acorns .	Sisal20%	Detroit Cork-Screw Co
8TOVE AND PLOW— Plow	60&10&5@70g Loose Pin	Chain Guards— Aluminum S. & N. Co50	Humason & Beckley Mfg. Co., 40&10%
Stove, List Dec. 28, '99	Mayer's Hinges	Chain Hoists—	Samson # doz \$10.00 Williamson's
MISCELLANEOUS-	Fast Joint, Broad	Moore's "Anti-Friction"	Corn and Fodder Compressor— J. B. Hughes', \$\pi\$ dozen net\$8.00
·	·		-



	IIAND	WARE	47
Corn Hooks— \$\pi\$ dos Kretsinger Cut-Easy\$8.00 net	Egg Beaters—	Forks-	Halter Chain—
Corn Knives and Cutters—	Dover Stamping Co.: New Dover, \$\psi\$ doz. 75 cts., \$\psi\$ gro.\$7.50 Extra Family Size \$\psi\$ doz. 2.00 Keystone \$\psi\$	Steel Goods Association List, Aug.	See Chain.
Bradley'snet	Extra Family Size doz. 2.00	1, 1899. Barn or Ice Forks40&5%	Hammers—
Wadsworth'snet	Spinel 20 At Or CAL to	Ballast or Stone Forks	HANDLED HAMMERS—
Countersinks—	Standard Co.: # gro. Dover. No. 5	Cose and Cotton Seed Forks 40 55	Humason & Beckley
Mayhew's Diamond 40% Smith's 25%	Standard Co.: # gro. \$4.22634.50 Dover, No. 5	Coke and Cotton Seed Forks40&56 Hay Forks, Four Tine, Standard	\$1.50&\$1.75
Snell's50%	Dover, Extra Heavy, No. 1512.00	Size	Maydole's
Wheeler's Fatent50&10%	Rival 9.00	Tine	
Crayons—	Emery—	Manure Forks, Five and Six Tine703	Engineers and B. S. Hand60&10% Sargent's New List45@45&10%
Sargent's List	Genuine Turkish Walpole Mills,	Grain or Barley Forks70&10&2445 Heavy Mill, Manure or Street Forks.75%	Verree
Dixons: # gro. Eclipse \$8.75 Emerald 5.09	NO. 6 to 46. 19 lb	Oyster Forks	
Oriole 5.00	No. 54 to 150, \$ 15	Potato Scoop Forks50%	Under 8 th # th 40c / cocce and
Rainbow 2.81 Solid 7.50	Enameline— # gro.	Shaving Forks	Under 8 b \$ b 40c } 80@60&10s 8 to 5 b \$ b 56c } 80@60&10s Over 5 b \$ b 80c 75&10@80s
Curry Combs-	No. 4	Socket Hay Forks, Four Tine66% 5% Socket Manure Forks, Four Tine70%	Wilkinson's Smiths914c@10c \ D
Fitch's List net prices	No. 6	Socket Spading Forks, Four Tipe.	Hammock Ropes—
Kohler's	Escutcheons—	8pading Forks	Covert Mfg. Co.:
New York Stamping Co. List, Sept. 17, '97. 40% Perfect. 40%	Wood25%	Stone Picking Forks	Jute
Mubber, ₩ doz. \$7.5020&10%	Expansive Bits-	Hay Forks, Three Tine, Standard Size	Hand Cultivators—
Southington Cutlery Co.'s25&10\$	See Augers and Bits.	Hay Header and Baler Forks, Three	Ulrich Mfg. Co.:
Cycle Hangers—	Farriers' Knives— \$\psi \doz-	Tine	Osborne ⁴ s % doz., \$15.09
Lane's	"Challenge" \$8.00 Popes \$ 8.00	Size65%	Handles— IRON, WROUGHT OR CAST—
Diggers— See Post Hole, etc.	Wilkinson's	Fruit, Wine and Jelly Presses.	Chest Handles, Sargent's50&10#
Dividers-		Enterprise	Chest Handles, Stearns' No. 1, Door
See Compasses, Dividers, etc.	Faucets— Brass Globe Cocks	Fry Pans—	or Thumb
Dog Collars—	Brass Racking	Acme Fry Pans	50&10%
Chapman Mfg. Co.'s New List: Chain (full assortment) 40s	Compression Bibbs	Burnished, regular goods75@75&10% Standard List70&10@75% No 0 1 2 8 4	Drawer Handles
Leather (full assortment)40&10% Pope & Stevens:	65&10@70% Lever Handle Bibbs, Gr. Kv.	No 0 1 2 8 4 4 3 doz. \$8.00 \$8.75 \$4.25 \$4.75 \$5.25	Roggin's Latches 85@85&10% Shelf Box Haudles
Brass40%	Rgh65@65&10% Fin60&5@60&10%	a doz. \$8.00 \$8.75 \$4.25 \$4.75 \$5.95 No	Trunk Handles
Embossed	Red Codar40@40&10%		Tub Handles
Union Hardware Co. New List 50@50&10%	Red Cedar, bbl. lots	Fuse— \$ 1000 ft.	STORE DOOR HANDLES— Bronzed, with Cylinder Lock
Door Bolts-	John Sommer's "Peerless." Tin	Hemp Fuse	Bronzed
See Bolts, Door.	Key	Single Taped Fuse	Japanned, with Plate 45&10%
Door Checks—		Triple Taped Fuse 5.00	Japanned, without Plate45&10%
Bardsley's	John Sommer's 'Duplex,' Metal Key 60x John Sommer's 'Buckeye,' Metal Key 40x	Gate Hinges—	Bar60@60&10%
Eclipse	John Sommer's "Buckeye," Metal Key40%	See Hinges.	Barn Door
Norton's	John Sommer's "Rochester," Metal	Gauges—	Drawer Pulia
Door Holders-	John Sommer's "Rochester," Metal Key 50x John Sommer's "Rival," Metal Key, 50x John Sommer's "Crescent," Metal	Bemis & Cali's Steel	Plain B. M
Empire50%	Key	Clapboard	Sash Pull Piates 70&10% Sash Pulls 60&10&10% Window Pulls 66%
Door Springs-	John Sommer's "Diamond," Lock. 40% John Sommer's "Eclipse," Lock. 40&10%	10&10%	
Champion (Coil)	John Sommer's "Eclipse," Lock. 40&10s John Sommer's "Union," Lock 50s John Sommer's "I. X. L.," Cork	Stanley's	wood— Auger, assorted% gr. \$2.25@2.50
Rubber, complete, & doz. \$5.50.45@50x	John Sommer's "Reliable," Cork	Stanley's Chisel	Auger, large # gr. 8.00@3.25. Auger, Douglass' Pat., # set, No. 1.
Champion (Coil)	Lined	Scratch	\$1.0 : No. %, \$1.40.60&10%
Torrey's Rod, 48 in., \$\vartheta\$ gro 42.00 Victor, Coil	Lined70%	Stubs' Wire and Drill20%	Auger, Ives' Pat., No. 1
Drain Cleaners—	Lined	Wire, Morse's	Auger, Swan's Pat., \$ set, No. 8, \$1.00; No. 4, \$1.25
Iwan's Adjustable55%	Lineu	Wire, Wheeler, Madden & Co16%	Brad Awl
Iwan's Stationary45%	John Sommer's "Perfection," Cedar. 40% John Sommer's "No Brand," Cedar.	Gimlets— "Diamond" Gimlets, # gr\$4.00@\$4.25	Disston's Crosscut
Drawer Pulls-	50&10% Star	Double Cut	Firmer Chisel, Apple, assorted, ₩ gr.
Sargent's List60%		Metal Head	\$2.25@2.50 Hammer, Hatchet, Axe, Sledge, etc.,
Drawing Knives-	SELF MEASURING—	Swan's, German Pattern40&10%	50&2% Hoe, Rake and Fork . 60&10@60&10&5%
Adjustable Handle25@25&10% Bradley's	Enterprise \$\pi\$ doz. \$36.0040% Lane's \$\pi\$ doz. \$36.0040&5@40&10\$	Gimlet Bits—	"Simplicity" File Handles, # gr. \$.90@1.50
Douglass	National Specialty Mfg. Co88345	See Augers and Bits.	Saw and Plane
Mix	Files—	Glass Cutters—	50@50&10\$
P. S. & W	DOMESTIC-	"Woodward"net prices "Red Devil"net prices	OROSS-CUT SAW HANDLES-40%
Witherby	New List, Nov. 1, 1899. American	Globe and Racking Cocks—	Champion
	Arcade	See Faucets.	Hangers-
Drills and Drill Stocks— Automatic Boring Tools50	Disston's	Glue-	American Trackless
Bench, Manneers	Dirston's Superfine	Dodd's Liquid Glue25&25&10% Le Pages Liquid25&25&10%	Barn Door, New England
Blacksmiths'	Kearney & Foot	Mystic	Best Anti-Friction
Breast, Goodell's25@80%	Keystone	Glue Pots-	Challenge Barn Door
Clamp	Nicholson's X. F. Files80@25&10g Royal80@80&10g	Enameled	No. 0
Ratchet, Ingersoll's	Second Quality Files80&10%	Tinned	No.5 6.50 "60&10&5%
Ratchet, Moore's Triple Act25@80%	IMPORTED-	Graters— Enterprise	Cronk's Steel, cov'd, Loose Axle.60&5%
Clamp 20% Ratchet, Billings' Double Acting 20% Ratchet, Ingersoll's 20% Ratchet, Merrill's 20@20&5% Ratchet, Moore's Triple Act 25@30% Ratchet, Whitney's 50% Ratchet, Whitney's 50% Ratchet, Weston's 90@25% Stearns' Bench 30%	StubeStube' list, 30@381/45	Griddles—	Coburn
Matchet, Weston's	Filters—	Cronk's70%	Lidder's
Upright, B. & P	Acorn	Grindstone Fixtures—	Lane's Barn Door: Barn Door, Standard
### ### ##############################	Subject to trade discount.	P., S. & W. Co50@50&10% Sargent's Patent60&10&10%	Covered
Wilson's Drill Stocks	Fish Hooks—	Stowell50%	No. 50
TWIST DRILLS-	Amer. Fish Hook Co. list60@60&10g Kirby & Limerick, low list (50c base),10g	Gunpowder— See Ammunition.	Standard # set, net, #8.25@ —— Ball Bearing " 4.00@ —— New Model " 2.75@ ——
See Augers and Bits. BLACKSMITHS'		Gun Wads-	New Model " 2.75@ —
Coe's	Fish Scalors— Covert's Saddlery Works:	See Ammunition.	New Champion " 2.40@ —— Manhattan
Prentice 60%	Great American 60&20% Fitch's net prices	Hafts—	\$18.00; No. 1 Special, \$15.00. W
Drug Mills—	Fluting Scissors—	Britton's	dozen pairs
National Specialty Mfg. Co80% Enterprise Mfg. Co25@30%	List45%	Halters— Covert Mfg. Co:	Richards' Anti-Friction 50%
Easy Lawn Swings— \$\psi \doz.	Forges—	Jute Rope Halters	Victor, No. 1, \$15.00; No. 2, \$20.00; No. 8, \$25.00; No. 4, \$35.00.60&10&2145 Warner's Patent
Ulrich Mfg. Co \$85.00	Boynton & Plummers60%	Web Halters45%	Wilcox's New Century50&10&10\$

Harness Snaps— oc Snaps.	Special Hoes	Lyra, all sizes	Lawn Sprinklers— Enterprise25@30
Hasps and Staples—	100acco Hoes	Neponset	Gibbs' Hustler
[cKinney's "Perfect," \$1.10 ₩ doz.50%	Toy Ladies' and Boys' Hoes. 70&10&10% Truck Hoes	25@25&5\$ Putnam 28c 21c 20c 19c 18c 28}4\$	Philadelphia Lawn Mower Co.: Philadelphia Lawn Sprinkler:
Frought	Warren Hoes	Putnam 28c 21c 20c 19c 18c	No. 1, No. 2, No. 3.
Hatchets-		Horse Shoes—	
ee Axes.	Hollow Augers— See Augers and Bits.	Horse and Mule, per keg\$3.75	Covert Mfg. Co. Cattle45g
Hay Hooks-		Burden's, all sizes	
umason & Beckley 60&10%	Hollow Ware—	Diamond State, Shoenberger, Cres-	Lead Pipe, Etc.
Hay Racks—	Agate Nickel Steel Ware, list July,	cent, &c\$3.75&5# Factory Shipments.	Lead Pipe, cut lengths 654 Lead Pipe, Tin Lined 1254 Block Tin Pipe 2754 Sheet Lead, full rolls 75
axter Wrought Iron, No. 1, \$1.00, uet; No. 2, \$1.50, net.	1899	Horse Ties-	Block Tin Pipe8714
Hay and Straw Knives-	Jan. 2, 1895	Covert Mfg. Co.:	proof read cut tons
uburn Hay, Com. and Spear Point .50%	Second Quality, Granite,	Cotton	Quantity discount, 20%
van's Hay, Sickle Edge, \$\pi doz. net \$10 van's Hay, Imp. Serrated \$\pi doz.	70&10@70&10&10% Iron Clad:	Jute	Lemon Squeezers—
net\$10.50 uburn Straw40%	Peppered Ware, high list	Sibal	Berger Bros. V doz. 6-in. \$1.00; 10-in, \$1.40
ghtning, from jobbers60&5% adsworth's	Never Break Enameled50&5@50&10%	Hose, Rubber—	Dean's, Nos. 1, \$\pi\$ doz. \$8.50; 2, \$8.35; 3, \$1.65; Queen, \$2.50, ne Hotchkiss, Straight Flush, \$\pi\$ doz. \$9.66
•	STOVE HOLLOW-WARE-	Boston Belting Co.:	Hotchkies, Straight Flush, & doz. \$9.66 Jennings' Star & doz. \$1.9062.06
Hinges—	Ground	Competition70%	MING GIBBL
WROUGHT IRON HINGES- olled Blind Hinges, Nos. 32 and 34,	WHITE ENAMELED-WARE-	Extra	Porc. Lined, Iron
50.8-10e	Boilers and Saucepans50@50&10%	Extra Para	Wood, Common, ₩ gross, No. 0, \$5.00;
olled Plate	Maslin Kettles	Staple	No. 1, \$6.50; No. 2, \$10.00.
6 to 19 in., 39 to, 8@8⅓c.	50@50&10% SILVER-PLATED—		Letter Box Plates-
crew Hook 14 to 20 in., 30 ib., and Strap, 234@314c.	4 mo, or 5% cash in 80 days.	Ice Awls, Chippers, &c.—	Name Door Plate 50@50&109 Name Plate 709
222 to 36 in., 70 fb,	Hartford Silver-Plate Co40&5% Holmes & Edwards Silver Co.40&15&5%	Copeland Ice Pick gr. \$9.00 net Crownnet	Number Door Plate 60@60&109
234@8c.	Meriden Britannia Co	Gem Ice Shavenet Sargent's Ice Awis	Sargent's
STRAP AND T HINGES. New List, March 15, 1601.	Rogers & Brother40&5%	8nell's50≰	Levels C. E. Jennings & Co.'s:
ght Strap	Simpson, Hall, Miller & Co40&5% William Rogers Mfg. Co40&10%	Starnet	Hexagon
ght T. 70%	Hooks-	Ice Cream Freezers—	Iron Bench, new design \$3&10
ght T	AGRICULTURAL-	See Freezers, Ice Cream.	Lifters— See Transom Lifters.
ong Unest	Potato, all kinds70%	lee Shredders—	Lines—
inge Hasps and Staples	Manure	Enterprise, No. 88. # des. \$6.0025@80s No. 84. # doz. 15.0025@80s	Cotton and Linen Fish, Draper's 50
orrugated Heavy Strap80%	BUSH-		Cotton Chalk, 90 feet. 602-10 Cotton Trot. 834
orrugated Extra Heavy T. 75&10% apanned Light Strap60%	Jennings & Griffin's881/4 &5/4	Jack Chain— See Chain,	Masons':
apanned Heavy Strap50&10&5%	corn—		Colored Cotton
apanned Light T	Kretzinger Cut-Ezy doz. \$8 net	Jack Screws— See Screws.	No. 0 to 5
apanned Extra Heavy T	OAST IRON-	Kettles—	Flax
apanned Long Chest	Bird Cage, Sargent's list60&10&10	Spun Brass, Plain	No. 1, \$6.50; No. 9, \$7.00; No. 8.
salvanized Hinges with Iron Pins, 65&10%	Bird Cage, Reading60@60&10% Bird Cage, Williamson50%	Spun Brass, plated inside with White Metal	\$7.50 \$ gross
lalvanized Hinges with Brass Pins,	Ceiling, Sargent's list 50&10		White or Drab Cot. 9 doz. \$7.50 30 Wire Clothes, 100 feet, No. 18, \$2.25;
SPRING HINGES—	Chandelier	Knives— Ames':	No. 19, \$2.00; No. 90, \$1.75.
ommer's Brothers. Bommer Spring Hinges40%	Coat and Hat. Reading60&10x	Bread Knives, \$2 doz \$1.50	Loaded Shells—
Bommer B. B. Floor Hinges 40% ardsley's Patent Checking 15%	Coat and Hat, Stowell's	Shoe Knives 254	See Ammunition.
иісаgожож	Lamp	Cronk's Chopping	Locks— Door locks, lateres, ac.
argent's List, 1894: Bronze Metal	Screw Hat	Foster Bros.' Butcher, &c	Branford Lock Co net price
	WROUGHT IRON AND STEEL-	Bread Knives Ass'n listnet Butchernet	Champion Night Latches 40 Lockwood Mrg. Co 50
Mortise	Cotton 30 dog. \$1.25	Shoe Knives	Moore's Elevator Door 40 Norwalk Lock Co
Mortise	Cotton Pat. (N. Y. Mallet & Handle Works)90%	E. Hartzell's 30&5% Hay and Straw, see Hay Knives.	Plate
	Hammock Hooks, E. C. Stearns,	Table and Pocket, see Cutlery. Wilson's Butcher Knivesnet	Reading Hardware Co40
Vigilant 60% nion Spring Hinge Co.'s List, March, 1894 20%	% doz	Knives, Hay and Straw-	Sargent & Co
DIOD MIR. CO 95≪	Picture, T. & S. Mfg. Co	See Hay Knives.	CABINET-
nes', No. 1, #gr., \$16.00; No. 2, \$18.00	See Wrought Goods.	Knobs-	Eagle Lock Co
GATE HINGES-	MEAT—	Bardsley's Wood Door, Shutter and	Corbin8312 Yale8312
lark's, Nos. 1, 2, 850&10@60&10% E. # doz. \$7.8060%	Enterprise	Rase Rubber Tin 914 in Road 20 or \$1 50	PADLOCKS-
E., Reversible, \$\pi\$ doz. \$5.6060\$ Y. State, \$\pi\$ doz. \$4.9060\$	WIRE-	Carriage, Jap	Acme Bicycle and Satchel, \$ doz., \$9.00
nepard's, Nos. 1, 2, 360&10x 'estern, # doz. \$4.3060\$	Atlas Cost and Hat 454	Carriage, Jap	Ames Sword Co40
BLIND HINGES-	Belt	Picture, Judd's	Brown's Brass
lark'e:	Wire Coat and Hat, Acme50&10@50 &10&54	Picture, Sargent's	Champion
Lull & Porter, Nos. 0, 1, 114, 2, 214, 8	Wire Coat and Hat, Gem50&10@50	Latches-	Scandinavian on e
Mortise Gravity	Wire Cailing, Gem50&10@50&10&5%	₩ doz.	McWilliams 25 Smith & Egge Bicycle 55
Nos. 40 and 50	Wire Coat and Hat, Standard45%	Cronk's Barn Door Net, \$3.25 Lane's Barn Door40@40&10\$	Wrought Iron
arker	MISCELLANEOUS— Covert Mfg. Co.:	Laws Mowers-	TRUNK-
taniey's Steel Gravity Blind Hinges.	Safety Gate and Scuttle Hooks85%	Champion	Corbin's දිනණ 10 Eagle
with Screws, \$1.30 ₱ doz. sets. 30&10%	Grass No. 2, \$1.65; 8, \$1.80; 4, \$2.00 Hooks and Eyes—Brass60&10x Hooks and Eyes—Mal. Iron70@70&10x	Continental	Machine Bolts—
Hitching Cords—	Hooks and Eyes—Mal. Iron70@70&10% Cotton, Box and Hay60@60&10%	Enterprise40&10% Genuine Philadelphia Mowers:	See Bolts.
overt Mfg. Co	Horse Clippers—	Styles M., S., C., K., T70&10% Style A. (all steel)60&10%	Mail Boxes—
Hoes— icel Goods Association List, Aug. 1,	See Clippers.	Style E., Low Wheel	See Boxes, Mail.
1899.	Horse Nuils—	Drexel, low list	Mallets—
sphalt Hoes	Nos. 6 7 8 9 10	Great American	Sargent's List: Hickory50@50&10
otton Chopper Hoes	A. C25c 28c 22c 21c 21c 40&10s	Imperial	Lignumvitæ50次50&1
larper's No. 7 Mortar Hoes65%	American, all sises	New Departure, Low Wheel75%	Mattocks— Cronk's Garden
areay Hoos	лов о 7 в у 10	New Easy	Cronk's Garden 2 Regular Goods
ersey Hoes	Ausable28c 26c 25c 24c 28c50≰		
Greey Hoes	Anchor 23c 21c 20c 19c 19c 40%	Pastime: 12 in. 14 in. 16 in.	Meat Cutters—
ersey Hoes. 65% Kretsinger, Cut-Esy	Anchor23c 21c 20c 19c 19c40% C. B. K25c 23c 22c 21c 21c40% Capewell19c 18c 17c 16c 16c10&5%	12 in. 14 in. 16 in. \$6.00 \$6.85 \$6.50 each net	
ersey Hoss 65% Kretsinger, Cut.Eay 75&10&7\\\ adies' Cotton Hoss 75&10&7\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Anchor	12 in. 14 in. 16 in. \$8.00 \$6.25 \$0.50 each net Pennsylvania	American
fersey Hoes. 65% Kretsinger, Cut-Ezy	Anchor	12 in. 14 in. 16 in. \$6.00 \$6.25 \$6.50 each net Pennsylvania	



DECEMBER 25, 1901.	TIATO WATE		
Enterprise	Ollers-	Pliers and Nippers-	Hay Fork, Sw 4-inch, \$8.75;
Each \$2 \$8 \$9.50 \$5 \$4 \$6	Brass and Copper	Button's	Hay Fork, Harts
Nos11 18 18		Cronk's:	Hay Fork, 5-incl Hot House
Nos	Leader .60 Perfect Oilers 1.50 Star Pocket Oilers .75	Button Pattern	Stowell's Anti-F
Little Giant	Draper's:	Flat and Round Nose	# doz., \$12.00 Side, Anti Fric
\$85 \$48 \$44 \$72 \$68	Brass	Stubb's Pat. Pliers	Shade Rack Upright
Nos	Malleable, Hammers, New Style,	Hall's Nippers, # doz., No. 2, 5 in., \$18.50; No. 4, 7 in., \$21.0040&10 Hall's Pliers	•
\$22 \$30 \$40 700druff's, \$1 doz	Steel	Hall's Pliere	Pumps— Cistern, Best Gra
Nos100 150 \$15 \$18	same list	Humason & Beckley Mfg. Co.50@50&10% Wm. Johnson's Gas Pliers	Pitcher Spout, B
eef Shavers (Enterprise)25@80%	"Paragon," Zinc70@70&10% Tower & Lyon Bicycle25%	Morrill's Parallel, # doz. \$12.00 80&5% Smith's Side Cutting	F. E. Myers & B. No. 1, Fig. 82
hadborn's Smoked Beef Cutter	Tower & Lyon Bicycle	Smith's Side Cutting	No. 1, Fig. 82 Well Pump. No. 8, Fig. 828 Well Pump.
Meat Juice Extractors—	Zinc and Tin	P. S. & W. Tinners' Cutting Nip- pers add % dis. 10%	Well Pump.
interprise	Oil Stones, etc.—	Plow Bolts-	No. 5, Fig. 807. Pump
Metals, Anti-Friction-	OIL STONES— Pike's Washita:	See Bolts.	Pump No. 616. Fig. Well Pump
agnolia Metal Co.:	Lily White, \$ b\$.60 Pike's Washita Mounted No. 1: \$ doz.	Plumbs and Levels—	No. 14, Fig. 52: Shallow Well
Magnolia, Anti-Friction25c No Name15c	8x2\$19.00	Cook's 40&10&10 Davis':	No. 82, Fig. 52
Mystic	7x2	inclinometers	No. 56, Fig. 8 Well Pump.
	5x2	Disston's	No. 59, Fig. 883
Melting Ladles— fonroe's Patent & doz. \$4.00, 40%	4x114 7.00 814x1 5.50 Discount, 8314&105.	Pocket Levels	Well Pump. No. 70, Fig. Well Pump.
P. S. & W85&10@40%		Stanley's Duplex25&10&10%	No. 72, Fig. 833
teading	About 2x2x34 to 116, # b\$.24 About 2x2x14, extra selected40	Stratton's Pat	Pump No. 78, Fig. 8
7arner's	Discount, 88⅓≰. India Oil Stones	Poachers—	Well Pump . No. 102, Fig.
Mitre Boxes-	Packing, Steam—	See Egg Poachers.	Pump No. 108, Fig.
. E. Jennings & Co	RUBBER-	Police Goods—	No. 108, Fig. Pump No. 128, Fig.
Mop Wringers-	Boston Belting Co.:	Tower & Lyon's \$5%	No. 128, Fig. Pump
[atchless (Canton, O.), ♥ doz\$12.00	"Boston"	Polish Metal—	Pump No. 181, Fig. Pump
Motors-	Extra	Prestoline Liquid, New List40% Prestoline Paste881/6@40%	No. 225. Fig.
COPPER MILL	MISCELLANEOUS— * D	U. S. Metal Polish Paste, 8-oz. boxes,	Pump No 285, Fig.
pecialty Novelty Coeach \$5.00	American Packing 9c@10c	% gross	Pump No. 240, Fig.
Nails—	Cotton Packing 18c@14c	Trestoline Paste	Pump No. 365, Fig. 57
WIRE AND CUT NAILS-	Jute	U. S. Liquid, 8-oz cans, \$\P\$ doz 1.25 \$\P\$ gross	Force Pump No. 267, Fig.
See Review of the Markets for quotations.	Padlocks-	Barkeeper's Friend Metal Polish,	Force Pump No. 268, Fig.
Wire Nails and Brads, Papered, Ass'n list, July, 189985@88&10%	See Locks.	₩ gross 18.00	Tank Force
PICTURE—	Parers-	Polish, Stove-	No. 302, Fig. 4 complete
Brass Head, Combination list50%	APPLE— \$ doz. Advance \$ 4.50	Dixon's Plumbago \$ b Joseph Dixon's gro. \$5.75, 105	No. 820, Fig. 40 Pump
Brass Head, Sargent's list	Advance	Gem % gro. 4.50, 10%	No. 830, Fig. Spray Pump
Porcelain Head, Comb'n list	Bonanzaeach 5.00 Dandyeach 7.50	Poppers, Corn—	Discount, bo
FURNITURE-	Dandy each 7.50 Eureka, 1898 each 16.00 Family Bay State 12.00	Round or square, \$\psi\ doz. \$\psi\ gro. 1 qt \$.75 \$ 7.00	Punches-
ntique Bronze	Improved Bay State \$27@80.00	11/4 qt	Bemis & Call Co Cast Steel Driv
re Gilt	Little Star	Quincy Corn Popper, 1 qt., % doz. \$8.00; 2 qt., \$4.00	Check
lain40% Nail Pullers—	Penn 8.75 Perfection 4.00	Post Hole Diggers— V dos.	Springfield So
jax, 5 hs	Reading 78 7.00	Disston's Samson Digger\$84.00, 25%	Morrill's Univers
jax, 5 bs	Scott's Pat. Rotary\$15.00, 20% Turntable, Old Style4.50	Iwan's Split Handle, # doz. net\$8.50 Iwan's Perfection, # doz. net\$9.00	Niagara Solid Saddlers' or Driv Snell's Tinners'.
clipse 39 dos. 18.00, 23&10&10% preks. No. 74 30 dos. net \$8.50	Turntable, 1898 5.50 White Mountain 4.00	Ryan's	Snell's Tinners'. Spring, good qual
ureka, No. 74	POTATO W dos.	Post Hole Augers— Iwan's Patent Improved40%	Spring, goed qual Spring, Leach's 1 Tinners' Solid,
\$16.50; No. 2, \$15.00	Saratoga	Vanghan's, 6 to 9 in., # doz. net\$6.00	♥ doz Tinners' Hollow
ational	Pencils—	Potato Hooks, etc.—	
elican		Hoe Down Hooks	Rail-
Small, No. 8	Carpenter's	Potato Hooks	Barn Door, Light
" No. 8 D # doz. 4.00 Large, No. 1 # doz. 6.50	Lead 4.00@7.50 Lead 8.18@4.88	Powder— See Ammunition.	Barn Door, "No
" No. 2	Lumber6.67	Presses—	₩ foot Barn Door, "No ₩ foot
" No. 2 B	Mascot, Hexagon	See Fruit and Jelly Presses.	B. D. for N. E. H Angular, \$\P\$ foo
Nail Sets -	Percussion Caps—	Primers—	Double Flange
uck Bros	See Ammunition	See Ammunition.	Carrier Steel Rai
DITTA 440TO 18	Picks-	Pruning Hooks and Shears— Cronk's Pruning Shears88368	O. N. T. Style, Double Braced
unters' Cup Point, Knurled \$10.00 unters' Cup Point, Plain 9.00 ctagon 4.00@4.75 ound_assorted 8.00@3.28	Railroad or Adze Eye, 5 to 5, \$18.00.	Cronk's Heavy Pattern, & doz., \$2.50 net Disston's Combined Pruning Hook	Lane's: O. N. T., 1 in .
ctagon	6 to 7, \$18.0060&10@60&10&10	and Saw \$ doz., \$18.00, 25@25&10%	O. N. T., 114 it Standard, 114 it
quare 4.00@4.95	Planes and Plane Irons—	and Saw # doz., \$18.00, 25@25&10# Disston's Pruning Hook, # doz., \$12.00, 25@25&10#	Stowell's Wrough
nell's: Octagon\$4.75	WOOD PLANES— Bailey's (Stanley R. & L. Co.)	Henry's:	Sliding Door, I
Corrugated	50&10@60%	Pruning Shears 50&8% Orange 50&80% Grape 50&10%	Sliding Door, St
Nippers—	Bench, First Quality 45@45&10% Bench, Second Quality50@50&10%	Tree Pruners	Sliding Door, Wr
cme50%	C. E. Jennings & Co50&10% Molding40&5%	P., S. & W. Co.'s Shears 60%	₩ b, 86c Victor Track Rai
	IRON PLANES-	Waters' Tree Pruners	Rakes, Etc
mith's Cutting50%		tion	Cronk's:
mith's Cutting50%	Chaplin's Iron Planes50&10@60%		
mith's Cutting	C. H. Jennings & Co., Iron50&10% Sargent's60%	Pulleys—	Wrought Steel Queen City Lay
nith's Cutting 50% odd's Cutting 50% Nut Crackers— \$ gro. cme, Japanned \$0.00.40% cme, Nickel Plated 30.00.20%	C. E. Jennings & Co., Iron50&10% Sargent's	Awning	Queen City Lav Steel Garden Rai
nith's Cutting 50% odd's Cutting 50% Nut Crackers 9 gro. cme, Japanned 30.00 40% cme, Nickel Plated 30.00 20% arner & Seymour Mfg, Co 50%	C. H. Jennings & Co., Iron	Awning	Queen City Lav Steel Garden Rak Steel Garden Rak Steel Road Rakes
nith's Cutting 50% odd's Cutting 50% Nut Crackers— 9 gro. ime, Japanned 390.00 40% ime, Nickel Plated 30.00 20% arner & Seymour Mfg. Co 50% Nuts— Off list. to pressed, square, blank 25.30	C. E. Jennings & Co., Iron50&10% Sargent's	Awning	Queen City Lav Steel Garden Rak Steel Garden Rak Steel Road Rakes Steel Tar or Aspl
nith's Cutting 50% odd's Cutting 50% Nut Crackers 9 gro. cme, Japanned 30.00 40% cme, Nickel Plated 30.00 80% arner & Seymour Mfg. Co 50% Nuts— Off list. of preseed, square, blank 35.00	C. E. Jennings & Co., Iron	Awning	Queen City Lav Steel Garden Rak Steel Garden Rak Steel Road Raket Steel Tar or Asph Turf Edger Prize Bow Braced Peerless Shank .
mith's Cutting	C. E. Jennings & Co., Iron	Awning	Queen City Lav Steel Garden Rak Steel Garden Rak Steel Rand Rakes Steel Tar or Aspi Turf Edger Prize Bow Braced
mith's Cutting 50% odd's Cutting 50% Nut Crackers— 9 gro. cme, Japanned 30.00 40% cme, Nickel Plated 50.00 20% urner & Seymour Mfg. Co 50% Nuts— Off list. of pressed, square, blank 5.00 of pressed, square, tapped 5.90 od pressed, hexagon, tapped 5.90 odd punched, plain, square, blank 5.10 blank 5.10 blank parked hexagon, blank 5.10 blank parked hexagon, square, blank 5.10 blank parked hexagon, square, blank 5.10 blank parked bear square, blank 5.10 blank parked bear square, blank 5.10 blank parked bear square, blank 5.10	C. E. Jennings & Co., Iron 50&10% Sargent's	Awning	Queen City Languer Steel Garden Rais Steel Road Rakes Steel Road Rakes Steel Tar or Aspir Turize Bow Braced Peerless Shank . Peerless Socket . Level Head Shank
mith's Cutting 50% odd's Cutting 50% Nut Crackers— \$ gro. cme, Japanned \$30.00 40% cme, Nickel Plated 50.00 20% urner & Seymour Mfg. Co 50% Nuts— Off list. of pressed, square, blank 5.00 of pressed, square, tapped 5.90 od pressed, hexagon, tapped 5.90 odd punched, plain, square, blank 5.10 plain, square, blank 5.10	C. E. Jennings & Co., Iron 50&10% Sargent's	Awning	Queen City Languer Steel Garden Rak Steel Road Raket Steel Road Raket Steel Tar or Aspit Turf Edger Prize Bow Braced Peerless Shank . Peerless Socket . Level Head Shan Rasps, Horse
mith's Cutting 50% odd's Cutting 50% Nut Crackers 9 gro. cme, Japanned \$30.00 40% cme, Nickel Plated 50.00 20% 'urner & Seymour Mfg, Co 50%	C. E. Jennings & Co., Iron	Awning	Queen City Languer Steel Garden Rais Steel Road Rakes Steel Road Rakes Steel Tar or Aspir Turize Bow Braced Peerless Shank . Peerless Socket . Level Head Shank

307, 8 in. Deep Well

g. 307, 8 ½ in. Deep

p. 307, 8 ½ in. Deep

p. 17.00

521, 8 inch Deep or

yell Pump

528, 8 in. Deep Well

17.00

528, 8 in. Shallow

17.00

328, 8 in. Shallow

17.00

328, 8 in. Shallow

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328, 8 in. Deep

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None Better" No. 1,

Sylc

None Better" No. 2,

Hangers:

oot, 6c 705

Rail, \$ foot. \$6 705

Rail, \$ foot. \$6 805

in. \$346

in. \$100 ft.

ght Steel. \$856

Bronzed Wrought

Steel, Brass Plated,

Wrought Brass, 14 in. Steel, Brass Plated, 51/20 7rought Brass, 11/3 in., 10@20s ail, 7c ¥ ft..60&10&21/45 el Garden 60&20s
Lawn 40s
Takes 70&5&29s
kes 65%
sphalt Rakes 65%
sphalt Rakes 70&5&24%
t 70&5&24%
t 70&5&24%
ank 70&5&28



Razors-	Samson: "Mass." White, Cotton2214@24c	Saw Sets—	Drive Screws, Diamond Point. 8714@90% Iron, Bright Flat Head 8714@90%
ElectricList net	"Samson" Braided White, Cotton Braided White, Cotton Braided White, Cotton	Atkins: Criterion Saw Sets # doz. \$6.00	Iron, Bright Round and Oval Head
"John Engstrom"net prices J. R. Torrey Razor Co20% Wostenholm and Butcher, \$10.00 to	"Samson" Braided Drab, Cotton # 15 8214@85c	Excelsior Saw Tools & doz. 6.00 Bemis & Call Co.'s:	Nickel Plated, Iron Flat Head 75@80% Nickel Plated, Iron Round Head. 75@80%
₤10%	"Samson" Braided Italian Hemp № n 82 k @35c	Cross Cut	
Registers and Ventilators —	"Samson" Braided Linen ¥ b. 50@55c Silver Lake:	Plate	· MACHINE-
HOT AIR-	A Quality, Drab 39 25 40c, 5% A Quality, White 39 25 85c, 5%	Disston's Monarch, Nos. 1 & 10 and Star	List, January 1, 1898. Brass, Flat Head
New List, Sept. 2, 1901: Black Japanned70%	B Quality, Drab	Kohler's	Brass, Round Head
White Japanned	United States: B Quality \$8 to 1814c	"Giant Royal" # doz. \$9.00 "Royal" # doz. 6.00 Leach's 881/4	Irou, Round Head50%
Electro-Plated 70% Nickel Plated 70%	C Quality	Morrill's: No. 1, \$15.00; No. 10, \$15.50; No. 11,	COACH, LAG AND HAND RAIL-
White Porcelain		\$16.00	G. P. Coach. List, Feb. 14, 1895, 75-2:104
Rings-	Sash Fasteners, Holders, &c. Sash Lifts60&10&10%	5, \$31.00	Hand Rail
See Bull and Hog Rings.	Sash Lifts Fineh	Seymour Smith & Son, Hammer	Cone Point
Rivets and Burrs-	Sash Rollers	Stillmans	BENCH, HAND, ETC.—
Belt with Burrs40&5@40&10\$	Shutter Sheaves		Bench, Iron, # doz., 1 in., \$3.25;
Hose with Burrs40&5@40&10%		Scales—	134, \$8.50; 134, \$4.25 Bench, Wood, Beech
IRON—	Sash Locks—	Chatilion's: Eureka	Chair
List, Nov. 1, 1894. Ordinary, in bulk	Champion Meeting Rail70% Champion Side	Grocers' Trip Scales	Jack Screws, Millers Falls, Roller Bearing 50% Jack Screws, Millers Falls, without
Thousand in papers	Davis, Bronze, Barnes Mfg. Co50% Elting's Ventilating40%	Family, Turnbull's80@80&10% Hatch: Counter, No. 171.% dos. \$17.00@\$18.00	Roller Bearing
Block and Carriage, in papers70% Hame70%	Fitch's: 70%	Tea, No. 161 doz. 5.75@ 6.00 Union Platform Plain 2.00@ 2.10	Jack Screwe, Sargent's 60% Piane Stool 50&10%
Belt with Burrs, Tinned or Coppered	Bronze and Brass	Striped 2.15@ 2.25	
Rivet Sets—	Ives' Patent: Wrought Steel	Scale Beams—	Scroll Saws-
Regular List	Bronze M. Knob	Chatillon's No. 1	Barnes' No. 1, \$8; No. 6, \$10; No. 7, \$15
Rollers-	Cast Bronze and Brass62165 Payson's Perfect	Chatilion's No. 2	Barnes' Scroll Saw Blades40% Cricket
Lane's, Stay	Reading 60&10%	Scrapers, &c.—	C. E. Jennings & Co
Rope-	Sash Weights-	Adjustable Box Seraper (S. R. & L.	Rogers, complete, \$4.0015&10%
Cotton Rope, Best, * b	Small lots	Co.) \$6.00	Soythes, Grass— \$\psi\ doz_
inch and larger14c Medium, 14 in. and larger12c	Ton lots at factory\$20,00@22.50	Box, 2 Handle	Natural Finish \$7.50@\$7.75
Jute Rope:	Company Standard on Williams	Ship Common	Polished Blade 8.00@ 8.15 Painted or Bronzed 8.00
A grade	Sausage Stuffers or Fillers— Draw Cut, No. 4each \$80.00, 20%	SIDEWALK-	Weed and Bush 7.25@ 7.50
Manila: 7-16 in. and larger	Enterprise Mfg. Co25@25&714% National Specialty Mfg. Co25%	Kohler's, Steel No. 7 # doz. \$8.00	Seeders-
% in		Screens-	Raisin, Enterprise
Hay Rope, Medium1814c Sisal:	Saws-	DOOR-	
7-16 in. and larger	Atkins: Band 7 to 14 in. Wide	Phillips: \$\ \psi \ \ \doz. \\ \frac{1}{8} \ \text{in., Style E, Fancy Screen}	Shears—
	Band 2 to 61 n. Wide	Doors	Acme (Cast)
Rules— Athol, Steel	Butcher, Pruning and Compass. 40&5% Circular	Doors	Ætna, Steel Nickeled
Boxwood	Gang	Doors 8.00 %-in., Style K4, Fancy Screen	N. P. Straight Trimmers
Lufkin's: Steel	Wood	Doors 8.50	Japanned Straight
Lumber	Circular, Solid and Inserted Tooth.50% Band 8 in. to 14 in. Wide60%	WINDOW—	Heinisch's: St. Trimmers, etc60&10@60&10&10\$
Starrett's Rules and Straight Edges, Steel	Band 14 in. to 214 in	Porter Screen Mfg. Co 60@60&5% Phillips:	Tailors' Shears
Sad Irons—	Narrow Cross Cuts	Bonanga Screens	Pruning. See Pr'ning Hooks & Shears. Seymour's Standard List:
Chinese Laundry 38 to 416c	Framed Wood Saws	Flyer	Japanned
Chinese Sad	Wood Saw Rods	Window Screen Frames60&10≴	Standard Cutlery Co.; Japanned
Crown, Nickel	nand Saws, Nos. 7, 107, 10732, 8, 1,	Screw Drivers-	Nickeled
COLD HANDLED-	Compass, Keyhole, Pruning, Dove-	Brace Screw Drivers25&10&5%	Nickel Scissors
Enterprise Mfg. Co. of Pa 80&5% Relf-heating W dog \$10.00 20%	Butcher Saws and Blades	Buck Bros	Japan Shears
Self-heating	Haines' Needle Point	Disaton's Flat Blade, Electric, Tele-	Pruners
Sensible Polished	Butcher	Electric Spiral No. 01 . 19 doz. \$6.00 net Electric Spiral No. 02 38 doz. 5 00 net	
Safety Fuse—	Peace:		Shears, Hedge—
Baroly I uso—		Fray's Hol. Hdle, Sets. No. 8 \$12, 50%	Wm Wilkinson & Cone
See Fuse.	Cross Cuts	Fray's Hol. Hdle. Sets, No. 8 \$12, 50% Howard-Allard { A1 & doz., \$9.00 net A2 & doz., 8.06 net	Wm. Wilkinson & Sons50%
See Fuse. Safety Lifts—	Cross Cuts	Fray's Hol. Hdle. Sets, No. 3 \$12, 500 Howard-Allard {A1 \$\pi doz., \$9.00 net} {A2 \$\pi doz., \$0.00 net} C. E. Jennings & Co	Wm. Wilkinson & Sons
	Cross Cuts	Fray's Hol. Hdle. Sets, No. 3 \$12, 509 Howard-Allard {A1 \$\pi\$ doz., \$9.00 net} C. E. Jennings & Co	-
Safety Lifts— Burr Mfg. Co., Steel70&10% Sand and Emery Paper and	Cross Cuts	Fray's Hol. Hdle. Sets, No. 3 \$12, 50% Howard-Allard \{ A1 \(\) doz., \(\) \$9.00 net C. E. Jennings \(\) Co \(\) 40&10% Jennings \(\) Griffin \(\) 66% Jones Reversible Spiral No. 1, \(\) doz \(\) \$18.50 net; No. \(\) \(\) doz \(\) \$12.00 Sargent \(\) Co.'s: No. 1 Forg. Blade \(\) 50&10\(\) 50&10\(\) 50\$	Sheaves— SLIDING DOOR— Corbin's list
Safety Lifts— Burr Mfg. Co., Steel	Cross Cuts	Fray's Hol. Hdle. Sets, No. 3 \$12, 50% Howard-Allard A1 \$\psi\$ doz., \$9.00 net C. E. Jennings & Co 40&10% Jennings & Grifffin 665% Jones Reversible Spiral No. 1, \$\psi\$ doz \$12.00 Sargent & Co. 's: No. 1 Forg. Blade 50&10@50&10&5% Nos. 20 and 40 665% Screw-Driver Bits (Snell's) \$\psi\$ dos 605	Sheaves— SLIDING DOOR— Corbin's list
Safety Lifts— Burr Mfg. Co., Steel	Cross Cuts	Fray's Hol. Hdle. Sets, No. 3 \$12, 50% Howard-Allard {A1 \$\pi doz., \$9.00 net C. E. Jennings & Co 40&100 40&10% Jennings & Grifffin 66% Jones Reversible Spiral No. 1, \$\pi doz \$13.50 net; No. 2 \$\pi doz \$12.00 Sargent & Co. 's: No. 1 Forg. Blade 50&10@50&10&5% Nos. 20 and 40 66% Screw-Driver Bits (Snell's) \$\pi dos 60\$ Stanley R. & L. Co. 's: No. 64, Varnished Handles 60&10\$	Sheaves
Safety Lifts— Burr Mfg. Co., Steel	Cross Cuts	Fray's Hol. Hdle. Sets, No. 3 \$12, 508 Howard-Allard.	Sheaves— SLIDING DOOR— Corbin's list
Safety Lifts-	Cross Cuts	Fray's Hol. Hdle. Sets, No. 3 \$12, 50% Howard-Allard	Sheaves— SLIDING DOOR— Corbin's list
Safety Lifts—	Cross Cuts	Fray's Hol. Hdle. Sets, No. 3 \$12, 50% Howard-Allard.	Sheaves— SLIDING DOOR— Corbin's list
Safety Lifts—	Cross Cuts	Fray's Hol. Hdle. Sets, No. 3 \$12, 50% Howard-Allard.	Sheaves— SLIDING DOOB— Corbin's list
Safety Lifts—	Cross Cuts	Fray's Hol. Hdle. Sets, No. 3 \$12, 50% Howard-Allard.	Sheaves— SLIDING DOOR— Corbin's list
Safety Lifts	Cross Cuts	Pray's Hol. Hdle. Sets, No. 3. 312, 50%	Sheaves— SLIDING DOOR— Corbin's list
Safety Lifts—	Cross Cuts	Fray's Hol. Hdle. Sets, No. 3 \$12, 50% Howard-Allard.	Sheaves— SLIDING DOOR— Corbin's list
Safety Lifts— Burr Mfg. Co., Steel	Cross Cuts	Fray's Hol. Hdle. Sets, No. 3 \$12, 50% Howard-Allard	Sheaves— SLIDING DOOR— Corbin's list
Safety Lifts-	Cross Cuts	Pray's Hol. Hdle. Sets, No. 3. 312, 509 Howard-Allard	Sheaves— SLIDING DOOR— Corbin's list



Filip Back. M. Green and State of the Control of Contro		TIARD	VVAILE	91
Survey in this A Co. Survey in	Shovels and Spades—	SILVER PLATED FLAT WARE—	Swedes Iron Tacks.	Nellis Forkeach, 1.60
Sorre Junité à 100 100 100 100 100 100 100 100 100 1	Association prices to small trade. No. 2. Polished, Square or Round		Bill Posters' and Railroad Tacks:	New Myers Iron Rod Car 8.25 Reed Wood Frame Pulley with
Sorre Junité à 100 100 100 100 100 100 100 100 100 1	Point, D or L Handle:	"1847" 40 £ 10~	S. S	Hook, Fig. 484
Corrected Pattern. 1026 1026 Corrected Pattern. 1026 1026 Corrected Pattern. 1026 1026 Corrected Pattern. 1026 Correct Pattern. 1026 Corr	1st Grade. 9d Grade	"Eagle"	Finishing Nails70&103	Rev. Car., Wood Track 8.25 Rope Hitch
Schools of	Strap Back 9.90 9.00		_ 8. 8	Single Rail Car, Single Steel T 8.50 Single Rail Steel Track with
Even back. \$6.50 \$1.00 \$. C8, D4,	DUILLES & LOWSPAS . NO. 2.10 & 10%	Lace Tucks:	GIATO D6
April	Plain Back \$8.70 \$8.10	German Silver, unplated50%	Looking Glass Tacks 70&10s	steel Frame Pulley with Iron
Short and A Temps	Cleveland Pattern. 8.40 7.80	ENIVES AND FORKS NO. 12-	S. S	Sure Grip Sling Car, Steel or Wood
### Transport Littlery		** 1947 **	Steel Black 80&5%	Walker Fork, each 1.25
## Batter Bary ## Spring Balances ## Spring Balance		"Anchor"	Upholsterers's Tacks:	Wrongut Raiser Drackets, \$ 00240
## Bautier Barra- Craim Second Se	_	"Star" 8.25	5. 5	Transom Lifters-
Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botta, Shutter Botte- See Botte, Shutter Botte- Shutter Shu		Rogers & Hamilton 8.25	miscellaneous-	A 18 x 50&10@50&10&54
Shatter Bolts— Shatter Bolts— Shatter Bolts— Spring Blance— See Bolts, Shatter. Sifters, Frour— Sinter Genetics, © gross, \$100g\$11.00 Finance Genetics, \$10g		2011105 to Dawards	Double Point, in dozens,	
Shutier Bolta— See Boits, Shutier Bolta— See Boits, Shutier Bolta— See Boits, Shutier Bolta— See Balances. See		Springs-	Double Point, in bulk	Dickson's
Shatister Bolta- She Bolta, Shutter. She Bolta, Shutter. She Bolta, Shutter. She Balances- See Rilance. See R	(ves'45%	See Door Springs.	Shade, in dozens90&10&10%	Nickel Plated 50&10%
See Bilders, Flour- Silters, F	Shutter Bolts	Spring Balances	Susue, in Durk	804, \$100\$12.00
### Spring Hings— Spring Hings— S			Tack Pullers -	Copper Finished80&10%
### Finaler's Gunnia # gross, \$100\$\$11.00 ### Surveys A. (Commiss # gross, \$100\$\$1.00 ### Surveys A. (Commiss	·		Columbia, No. 1, # doz., net\$1.00	Lever
### Shate Sharpeners— ### Sarake	Sifters, Flour-		Columbia, No. 2, \$\pi\$ doz., net 1.50	Traps-
## Skarch a. # 50.6. \$1.00, \$10.0 \$1	Hunter's Genuine# gross, \$10@\$11.50	See Hinges.		· ·
### States Sharpeners* ### Blacks a 40 a. 19. T; \$P go. \$10.00 ### Blacks a 40 a. 19. T; \$P go. \$10.00 ### Blacks a 40 a. 19. T; \$P go. \$10.00 ### Blacks a 40	Chase Share-	Squares—	Tapes, Measuring—	Balloon # doz. \$1.25, # gro. \$12.00
Slaw and Krant Outlers-	•	Disston's Try Square and T Bevels.		Globe
Silver and Kraul Ontletz— Distance of the property of the prop	a → uoz. →1.10; ← gro. →18.00	60&10% Starrett's Micrometer Caliper Squares.	Steel	
Dieston's 1 Di	Slaw and Kraut Cutters-	Try Square and T Bevel60&10	Keurei & Keser Co., New List, 1895;	
Samp Second Sec		@00&10&10% Winterbottom's Try and Mitre40&10≰	Lufkin's Steel and Metallic80@8834\$	Enterprise Mole15%
Remark Section Secti	nip Shredder40s	Nickel-Plated. New List Jan. 5, 1900		Newhouse
Sample Signar Special Stage Special St	Kraut Cutters, 26x12, 40x18	Steel and Iron	· · · · · · · · · · · · · · · · · · ·	V1Ctor
Rative Part \$14,00480.00	Minterprise Mig. Co	Staples—	See Borers, Tap.	MOUSE AND RAT-
Marchester Mar	1 Knife	Barbed Blind-14, 54, and \$4 inch.	Taps—	Erie Rat
### ### ### ### #### ### ### ### ### #	Kraut Cutters	₩ 1 5		Metallic Mouse 50%
See Hammers	Woodrough & McParlin40%	FENCE-	Holroyd & Co.'s:	New Rat
See Hammers Siay Bollers Cronkt No. 50 Cond. No. 50 Cond	Sladges and Heavy Hamman		Machine Screw 70&10@75%	Mouse, Catch-'em-alive, # doz.\$8.50, 15%
Site	- · ·		Pipe, 1/4 to 11/4	Mouse, Delusion
Second S	•	Stay Rollers—	Pipe, 2 to 4	Mouse, Round Wire, \$\pi doz\$1.00, 10% Mouse, Wood, Choker, \$\pi doz, holes,
We will be compared by the c	Slicers—	" Nos. 55 and 56	Thumb Latches—	9@10c
Smiths Bellows Steels Tinware Steels Stamped, Japanned and Piccol, Net Frices Stocks and Dies. Tire Bolts Scocks Stocks Stock	Vegetable, Enterprise 25%	" No. 60		(Genuine):
Samps	G., 141 . 4 Th. 42			No. 8, Rat. 39 doz., \$6.00; case
Shape Harness & c.				No. 834, Rat, \$\psi\$ dox., \$4.75; case of 72.
Sanapa		Chatillon's 80%	Stamped, Japanned and Pleced, Net Prices.	No. 4, Mouse, \$ doz., \$8.50; case
First Firs	Snaps, Harness, &c.—	Stocks and Dies.	Tire Bolts-	No. 5, Mouse, # doz., \$2.75;
Bolton	Anchor (T. & S. Mfg. Co.)	BICYOLE—	See Bolts.	Schnyler Rat Killer, No. 1, # gro.,
Bristo	Fitch's:	Holroyd & Co854		Mouse, No. 8 9.00 Smith & Rame Mfg. Co. 30 dos
Clipper	Bristol 40&10	BLACKSMITH'S-		Superior Rat Trap
National 50.56% Security 10.56% Secu	Clipper	Butterfield's85@40%	Enterprise Mfg. Co	Yankee Rat Trap 11.00
Victor	National50&5%	Holroyd & Co40@60%	m. II.a. cut	
Saryent's: Patent Guarded 66% Covert Mig. Co. Store Door Handles Store Door Handles Store Polish See Blats Store Polish See Polish, Store Store Polish See Polish, Store Store Polish Store	Victor	Lightning Screw Plate		
Covered Springs	Sargent's:		oo onppose	
Breast Strap Backle Snape. Breast Strap Protector 45	Covered Spring50@55%		Trammel Points	Brick and Pointing 30%
Stone	Breast Strap Buckle Snaps		Backus and Union	"Standard Brand" and Garden 40% C. E. Jennings & Co.:
Stanley Stan	Double for Bits or Trace Carrier \ 45%		Cook's	Brick
See Bench Stops	High Grade Snape	See Oilstones.	Stanley's	Pointing
Store Door Handles	Derby Snaps 85%	Stops-	Prentiss'	Peace's Plastering 25@25&56
Second S		See Bench Stops.		ers
Stoke Stok	Snaths—	Store Door Handles-		
See Bolts See	Scythe40@45%	See Handles.	Comb. Car, Double Steel T\$8.50	-
Soldering Irons		Stove Bolts-	Common 6 in. Wood Sheave Pulley	Euterprise mig. Co25%
Stove Polish See Polish S	••	See Bolts.	Fig. 488	Vises—
Spoke Shaves	COVERE MIR. CO	Stove Polish-	Double Grappie Forkeach, 8.50 Double Rail Steel Track.complete	Solid Box
Bailey's (Stanley R. & L. Co.) 50&10% Iron — — — — — — — — — — — — — — — — — —	Spoke Shaves-	See Polish, Stove.	with clamps	V. W. & W
Millers Falls	Bailey's (Stanley R. & L. Co.) 50&10%	Sweepers—	Fig. 485 # doz. 2.15 Faultless Steel Frame 6 in. Plain	Combination
Wood, Best	Millers Falls		Pulley, Fig. 485 # doz. 1.90 Floor Hooks % in # doz. 70	Plain and Hinge60%
Wood, Best 80% See Blocks. Hanging Hooks for Double Steel Fisher & Norts Double Screw 1 Wood, & quality 83½5 Tacks Hanging Hooks for Double Steel Fisher & Norts Double Screw 1 Spoons and Forks Tacks, Brads, &c. Hanging Hooks for Slogie Steel Holland's 4 Spoons and Forks List Jan. 15, 1890. Hanging Hooks for Wood Track. Little Giant Bench 35&1 Boardman's: American Cut Tacks 90&25% Hanging Hooks for Wood Track. Little Giant Bench 38% S. Cut Tacks 90&30% Hanging Hooks for Wood Track. Wassey: Wassey: Perfect 1:60 Nickel Silver, Catalogue "C" American, Blued 90&10&10&10 Malleable Frame K. P. Pulleys. Wood Working Wood Working Piger Nickel Silver, Catalogue Test List American, Blued 90&10&10&10 Fig. 676 Blaeble Frame K. P. Pulleys. Fig. 676 Wood Working Pigner 156%	Seymour Smith & Sons, Iron20% Wm. Johnson's:	Tackle Blocks-	Floor Pulley, Wood Sheave, Fig.	Adams, Diamond40%
Hanging Hooks for Single Steel Hondard* Howard*	Wood, Best		Hanging Hooks for Double Steel	Fisher & Norris Double Screw 15%
List Jan. 15, 1899.		Tanks, Rusda &s	Hanging Hooks for Single Steel	Howard's 40%
Boardman's: American Cut Tacks 90&25s S. S. Cut Tacks 90&20s 14 in .65	- .		Hanging Hooks for Wood Track.	Lowell Hand
Nickel Silver, Catalogue net, List Carpet Tacks: Malleable Frame K. P. Pulleys, Wood Working 15:622 American, Blued 90&10&10&10 Fig. 676 \$ doz. 2.40 Planer 15@2	Britannia Spoons, Catalogue "C"	American Cut Tucks	Hanging Hooks for Wood Track.	Perfect15@20%
not Tiet American Miles 198 910	net, List	Carpet Tacks:	Malleable Frame K. P. Pulleys,	Wood Working15@20≴
American, Tinned90521052105 Malleable Rafter Brackets, # dos40 Comb. Pipe	net, List	American, Blued90&10&10&10% American, Tinned90&10&10&10%	Malleable Rafter Brackets, \$\tilde{q}\ \text{doz. 2.40}	Planer



Millers Falls:	Wire Gauges-	Wrenches—	Boardman's
Mechanics'net@10%	See Gauges.	Agricultural70&10@75%	Coes':
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impson's Adjustable 40%	Annealed and Tinned on Spools70%	Patent Combination Bright40%	Stillson Pipe
tephens	Brass and Copper on Spools60%	Bicycle:	Taylor Pipe and Nut40
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Ventworth's	Nos. 27 to 86		IM MICHING DOIGH
· · · · · · · · · · · · · · · · · · ·	Nos. 6 to 14	₩ gal. 68c	Dry Colors-
	Nos. 15 to 18	Out of Town on Spot	on the state of t
Wads-	Nos. 19 to 26	Calcutta,aw, in barrels gal. 85c	Blue, Chinese
ee Ammunition.	Nos. 27 to 36	Lard, Prime City # gal. 72@74c	Blue, Prussian
ee Ammunigon.	Picture Wire, List of Oct. 2, 1900	Extra, No. 1	Blue, Ultramarine 6 @30
	85@85&10%		Sienna, Italian, burnt &
Wagon Jacks-	Steel Music Wire, Nos. 12 to 30, Imported	No. 145@46c	·
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Washer Cutters-	See Lines.	Barytes, American Floated, & ton,	Umber, Turkey, raw 214@ 814
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Sarge Hasps and Staples. McKinney Mfg. Co., Allegheny, Pa.

Hay Carriers. J. E. Porter Co., Ottawa, Il.

Hay Carrying lools. Janesville Hay Tool Co., Chicago, Ill. F R. Myers & Bro., Ashland, Ohio. J. E. Porter Co., Ottawa, Ill.

Hay Forks.

Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Ia.
Janesville Hay Tool Co., Chicago, Ill.
Willoughby Fork & Mfg. Co., Willoughby, O.

Hay Knives.

Iwan Bros., Streator, Ill.

J. E. Porter Co., Ottawa, Ill.

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Hay Slings.

Janesville Hay Tool Co., Chicago, Ill.

Heaters, Oil.

Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Hinges.

Clark Mfg. Co., Buffalo. N. Y. McKinney Mfg. Co., Allegheny, Pa. Niles Mfg. Co., Chicago. Sargent & Co., New York.

Hinges, Shutter.

Clark Mfg. Co., Buffalo, N. Y.

Hinges, Spring.

Bommer Bros., Brooklyn, N. Y. Niles Mfg. Co., Chicaro. Sargent & Co., New York.

Hinges, Trunk, Box and Door Brass Goods Mfg. Co., Brooklyn, N.Y.

Hoisting Machinery.

Burr Mfg. Co., Clevelaud, Ohio. Kimball Bros. Co., Council Bluffs. Is.

Hones, Razor.

Alfred Field & Co., New York. Smith & Hemenway Co., New York.

Berger Bros. Co., Philadelphia. John H. Graham & Co., New York. Sargent & Co., New York.

Horse and Cattle Ties.

Covert Mfg. Co., West Troy, N. Y.

Horse Nails.

Ausable Horse Nail Co., New York, Capewell Horse Nail Co., Hartford, Conn.

Horse Rasps.

G. & H. Barnett Co., Phila., Pa. Nicholson File Co., Providence, R. I.

Hose Menders.

John H. Graham & Co., New York.

Hose Pipe.

F. R. Myers & Bro., Ashland, Ohio.

Hose, Rubber.

F. E. Myers & Bro., Ashland, Ohio.

John Chatillon & Sons, New York. Pelouze Scale & Mfg. Co., Chicago.

Ice Cream Freezers.

John H. Graham & Co.. New York, North Bros. Mfg. Co., Philadelphia. Tower & Lyon, New York,

Ice Chisels.

John Chatilion & Sons, New York. lows Farming Tool Co., Ft. Madison, Iowa.

Ice Creepers.

Edwin B Stimpson & Son, New York. Tower & Lyon, New York. Union Hardware Co., Torrington,

Ice Harvesting Implements.

Wm. T. Wood & Co., Arlington, Mass.

John Chatillon & Sons, New York, Rrie Specialty Co., Erie, Pa. C. R. Jennings & Co., New York Wm. T.Wcod & Co., Arlington, Mass.

John Chatillon & Sons, New York. Brie Specialty Co., Brie, Pa. Smith & Hemenway Co., New York, Wm. T. Wood & Co., Arlington, Mass.

Iron, Sheet.

Bruce & Cook, New York.

Iron Fene

Enterprise Foundry & Fence Co., Indianapolis, ind. Van Dorn Iron Works Co., Cleve-land, Ohio.

Iron Pipe.

Colwell Lead Co., New York.

J. E. Bolles Iron and Wire Works, Detroit, Mich. Enterprise Foundry & Fence Co., Indianapolis, Ind Van Porn Iron Works Co., Cleveland, Ohio.

Jack Chains.

Smith & Egge Mfg. Co., Bridgeport.

Berger Bros. Co., Philadelphia. Lane Bros. Co., Poughkeepsie, N. Y. F. E. Myers & Bro., Ashland, Ohio.

Lamps, Bicycle.

John H. Graham & Co., New York. Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Lard Presses.

Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Fences.

W. J. Adam, Joliet, Ill. Enterprise Foundry & Fonce Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleveland, Ohio.

Lawn Mowers.

Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Rakes.

Geneva Tool Co., Geneva, O. lowa Farming Tool Co., Ft. Madison, la.

Lawn Sprinklers.

Smith & Hemenway Co., New York.

Greeue Mfg. Co., Springfield, O.

Lawn Tools.

Geneva Tool Co., Geneva, O.

Bruce & Cook, New York, Colwell Lead Co., New York.

Joseph Dixon Crucible Co., Jersey City, N. J.

Lead Pipe.

Colwell Lead Co., New York.

Lemon Squeezers.

Borger Bros. Co., Philadelphia. Erie Specialty Co., Erie, Ps. John H. Graham & Co., New York. Smith & Hemenway Co., New Yor John Sommer's Son, Newark, N. J.

Stanley Rule & Level Co., New York. Tower & Lyon, New York.

Locks and Knobs.

Brass Goods Mfg. Co., Brooklyn, N.Y. John H. Graham & Co., New York, Sargent & Co., New York and New Haven, Conn.

Joseph Dixon Crucible Co., New York and Jersey City, N. J.

Luminous Bait.

Enterprise Mfg. Co., Akron, O.

Magnolia Metal.

Magnolia Matal Co., New York.

Mailets.

Bruce & Cook, New York.
N. Y. Mallet & Haudle Works, New York, N. Y.
John Sommer's Son, Newark, N. J.
Stanley Rule and Level Co., New York.
Tower & Iven New York. Tower & Lycn, New York. Union lidw. Co., Torrington, Conn.

Manicure Appliauces.

H. C. Cook Co., Ansonia, Conn.

Manure Forks.

Geneva Tool Co., Geneva, O.

Manure Hooks.

Geneva Tool Co., Geneva, O.

Masons' Lines.

Samson Cordage Works, Boston.

Measuring Pumps.

Enterprise Mfg. Co. of Pa., Philadelphia

Measuring Tapes.

Alfred Field & Co., New York. John H. Graham & Co., New York. Keuffel & Esser, New York.

Meat Choppers.

John Chatilion & Sons, New York. Enterprise Mfg. Co. of Pa., Philadelphia.

John H. Graham & Co., New York

Smith & Hemenway Co., New York.

Meat Cutters.

Enterprise Mfg. Co. of Pa., Philadelphia. John H. Graham & Co., New York. Sargeut & Co., New York.

Metallic Paint.

L. D. Berger, Philadelphia. Bruce & Cook, New York.

Mills, Coffee and Spice.

John Chatillon & Sons, New York. Enterprise Mfg. Co. of Pa., Phila-delphia.

Mills, Drug.

Enterprise Mfg. Co. of Pa., Phila delphia.

Mincing Knives.

Enterprise Mfg. Co. of Pa., Phisa-delphia.
John H. Graham & Co., New York.
Smith & Hemenway Co., New York.

Mitre Boxes.

C. E. Jennings & Co., New York. Smith & Hemenway Co., New York.

Mowing Machine Oilers.

Wilmot & Hobbe Mfg. Co., Bridge-port, Conn.

Naile.

Bruce & Cook, New York. Fuller Bros. & Co., New York. Chas. J. Stebbins & Co., New York.

Nail Pullers.

Bridgeport Mfg. Co., Bridgeport, Conn.
Smith & Hemenway Co., New York.
The Scranton & Co., New Haven,
Conn.
Tower & Lyon, New York.

Nail Sets.

John H. Graham & Co., New York. C. E. Jennings & Co., New York.

Alfred Field & Co., New York.

Needles.

Alfred Field & Co., New York, Charles Morrill New York, Smith & Hemenway Co., New York, Utica Drop Forge & Tool Co., New York,

Atlas Bolt and Screw Co., Cleveland, Ohio. Columbus Bolt Works, Columbus, O.

Office Railings.

J. E. Bolles Iron and Wire Works, Deroit, Mich. Gilbert & Bennett Mfg. Co., New York and Chicago.

Cushman & Denison, New York. Tower & Lyon, New York. Wilmot & Hobbe Mfg. Co., Bridge-port, Conr.

Oil Heaters.

Piume & Atwood Mfg. Co., New York, Boston and Chicago.

Ornamental Iron Work.

Enterprise Foundry & Fence Co., Indianapolie, Ind. Van Dorn Iron Works Co., Cleve-land, Ohio.

Ames Sword Co., Chicopee, Mass. Alfred Field & Co., New York. John H. Grahsm & Co., New York. Smith & Egge Mfg. Co., Bridgeport, Conn. Tower & Lyon, New York.

L. D. Berger, Philadelphia. Bruce & Cook, New York. Jos. Dixon Crucible Co., Jersey City, N. J.

Paper Clips.

Cushman & Denison, New York.

Paradigm Skylights. Arthur E. Rendle, New York.

Davis & Davis, New York.

Pencils.

Joseph D xon Crucible Co., Jersey City, N. J.

Pig Lead.

Colwell Lead Co., New York.

Pig Tin.

Colwell Lead Co., New York.

Pipe Cutters.

Armstrong Mfg. Co., Bridgeport, Conn. Alfred Field & Co., New York. Trimont Mfg. Co., Roxbury. Mass.

Pipe Straps.

Berger Bros. Co., Philadelphia. Bruce & Cook, New York. Smith & Egge Mfg. Co., Bridgeport, Com.

Pipe Threading Machines.

Armstrong Mfg. Co., Bridgeport, Conn.

Pipe Vises.

Armstrong Mfg. Co., Bridgeport, Conn. Howard Iron Works, Buffalo, N. Y. Tower & Lyon, New York.

Pistols.

J. Stevens Arms & Tool Co., Chicopee Falls, Mass,

Planes.

C. E Jennings & Co., New York, Sargent & Co., New York, Stanley Rule and Level Co., New York, Tower & Lyon, New York.

Plated Ware.

M. S. Benedict Mfg. Co., E. Syracuse, N. Y. Luther Roardman & Son, East Haddam. Conn. Aifred Field & Co., New York. Plates, Machinery.

Schwerdtle Stamp Co., Bridgeport.

Pliers, Fencing. Cronk & Carrier Mfg. Co., Elmira. N. V. Alfred Field & Co., New York. Smith & Hemonway Co., New York. Utica Drop Forge & Tool Co., New York.

Plumbers' Supplies.

I. D. Berger, Philadelphia, Pa.
Berger Bros. Co., Philadelphia, Pa.
Bruce & Cook, New York,
Colwell Lead Co., New York,
Smith & Egge Mfg. Co., Bridgeport,
Conn.

Pocket Cutlery. John Chatillon & Sons, New York, Aifred Field & Co., New York, Jackson Knife & Shear Co.,

Fremont. O.

Police Equipments. Tower & Lyon, New York.

Polish, Stove.

Joseph Dixon Crucible Co., Jersey City, N. J.

Post Hole Diggers.

Post Hole Augers

Iwan Bros., Streator, Ill.

John H Graham & Co., New York, Iwan Bros., Streator, Ill.

Potato Hooks Geneva Tool Co., Geneva, O.

Poultry Netting. Clinton Wire Cloth Co., Clinton, Mass.
Gilbert & Bennett Mfg. Co., New York, Chicago.

New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.

Power Hammers. The Scranton & Co., New Haven,

Price Books. Hardware Publishing Co., New York.

Pruning Shears. Cronk & Carrier Mfg. Co., Elmira, N. Y. Smith & Hemenway Co., New York.

Pulleys, Hoisting.

Burr Mfg. Co., Cleveland, Ohio. F. E. Myers & Bro., Ashland, Ohio.

Pulleys, Hook

Janesville Hay Tool Co., Chicago, Ill.

Pumps

John H. Graham & Co., New York. F. E. Myers & Bro., Asbland, Ohto. The Deming Co., Salem, Ohio.

Punches, Spring.

Alfred Field & Co., New York. Charles Morrill, New York, Smith & Egge Mfg. Co., Bridgeport,

Conn.
Smith & Hemenway Co., New York.
R. Woodman Mfg. & Supply Co.,
Boeton, Mass.

Railings, Wire and Iron.

J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Chuton Wire Cloth Co., Clinton,

Ballroad Bra

Magnolia Metal Co., New York.

Rail, Barn Door.

Cronk & Carrier Mfg. Co., Elmira, N.Y. Lave Bros. Co., Poughkeepste, X.Y. McKinney Mfg. Co., Allegheay, Pa.

Railway and Mill Supplies.

American Railway Supply Co., New York. R. Woodman Mfg. & Supply Co., R. Wu. Boston

Raisin Sectors.

Enterprise Mfg. Co. of Pa., Philadelphia.

Geneva Tool Co., Geneva, O. John H. Gruham & Co., New York. Iowa Farming Tool Co., Fort Madi-son, Ia.

Alfred Field & Co., New York.
International Cuttery Co., Fremont, O.
Jackson Knife & Shear Co.,
Fremont, O.
Joseph Rodgers & Sons, New York
and Sheffield, England.
Smith & Hemenway Co., New York.

Razor Strops.

Smith & Ucmenway Co., New York.

Reamers.

C. E. Jennings & Co., New York.

Reels, Fishing.

Enterprise Mig. Co., Akron, O.

Reels, Wood.

John Sommer's Son, Newark, N. J.

Refrigerators.

Baldwin Refrigerator Co., Burlington, Monarch Refrigerator Works, Burlington, Vt.

Registers, Warm Air.

Berger Bros. Co., Philadelphia.

Revolution Counter.

Tabor Revolution Counter. Elizabeth R. Woodman Mfg. & Supply Co., Boston, Mass.

Revolving Horse Hay Rakes.

Geneva Tool Co., Geneva, O.

Rifles.

J. Stevens Arms & Tool Co., Chicopes Falls, Mass.

Rivets.

Atlas Bolt and Screw Co., Cleveland, Ohio. Ohlo.
Berger Bros. Co., Philadelphia.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.
C. C. & E. P. Townsend, New Brighton, Pa.

Roller Skates.

Tower & Lyon. New York. Union Hardware Co., Torrington, Conn., and New York.

Roof Bolts.

Columbus Bolt Works, Columbus, O.

Roof Rods.

Columbus Bolt Works, Columbus, O.

Roofing Cement.

J. L. Perkins & Co., Chicago, Ill.

Roofing, Granite.

Eastern Granite Roofing Co., New York. Roofing Paint.

J. L. Perkins & Co., Chicago, Ill.

Roofing Plates.

Merchant & Co., Inc., Philadelphia, Pa.

Roofing and Roofers' Supplies.

American Steel Roofing Co., Middle-town, Ohio. L. D. Berger, Philadelphia. Berger Bros. Co., Philadelphia. Berger & Cook. New York. Merchant & Co., inc., Philadelphia, Pa.

Alfred Field & Co., New York.
Stanley Rule and Level Co., New
York.

Sad Irons.

Enterprise Mfg. Co. of Pa., Philadelphia.

Sand and Emery Paper.

Baeder, Adamson & Co.. New York, Philadelphia, Boston and Chicago.

Sand Screens.

Gilbert & Renneit Mfg. Co., New York and Chicago.

Sash Chains.

Smith & Egge Mig. Co., Bridgeport, Conn. Tower & Lyon, New York.

Sash Cord.

Samson Cordage Works, Boston. Tower & Lyon, New York.

Sash Fixtures.

Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Locks.

Champion Safety Lock Co., Cleve-land, Ohic. W. & E. T. Fitch Co., New Haven, H. B. Ives & Co. New Haven, Conn.

Sash Pulleys.

Sargent & Co., New York.

Sash Weights (Lead).

Colwell Lead Co., New York.

Sausage Stuffers

Enterprise Mfg. Co. of Pa., Phila-delphia. Sargent & Co., New York.

E. C. Atkins & Co., Indianapolis, Ind. Henry Disston & Sons, Philadelphia, Pa. C. E. Jennings & Co., New York. Sargent & Co., New York.

Saws, Butchers'.

John Chatillon & Sons, New York.

Saw Sets.

E. C. Atkins & Co., Indianapolis, Ind. Alfred Field & Co., New York. Charles Morrill, New York. Smith & Hemenway Co., New York.

E. C. Atkins & Co., Indianapolis, Ind. C. E. Jennings & Co., New York. Smith & Hemenway Co., New York.

John Chatillon & Sons, New York. Osgood Scale Co., Binghamton, N. Y. Pelouze Scale & Mfg. Co., Chicago.

Scrapers, Drag and Wheel.

Syracuse Chilled Plow Co., Syracuse, N. Y.

Screen Doors. A. J. Phillips Co., Fenton, Mich.

Screens, Wire.

Porter Screen Mig. Co., Burlington, Vt.

Atlas Bolt & Screw Co., Cleveland, Ohio.

Screw Cases.

J. D. Warren Mfg. Co., Chicago, Ill.

Screw Drivers.

Bridgeport Mfg. Co., Bridgeport, Conn.
John H. Graham & Co., New York.
C. F. Jennings & Co., New York.
North Bros. Mrg. Co., Philadelphia.
Sargent & Co., New York.
Smith & Hemenway Co., New York.
Stanley Rule & Levei Co., New York.
Tower & Lyon, New York.
Voigt, Starr & Co., New York.

Screw Plates

Alfred Field & Co., New York.

Scythes and Grass Hooks.

Alfred Field & Co., New York.

Scythe Snaths, Grass and Bush.

Geneva Tool Co., Geneva, O.

Scythe Stones.

Cleveland Stone Co., Cleveland, O. Geneva Tool Co., Geneva, O.

Scal Presses.

Charles Morrill, New York.

Schwerdtle Stamp Co., Bridgeport, Conn.

Sectional Shelving.

J. D. Warren Mfg. Co., Chicago.

Shade Lines.

Sarason Cordage Works, Boston.

Sharpening Machines.

John Chatillon & Sons. New York. Shears and Scistors.

Bridgeport Mfg. Co., Bridgeport, Conn.
Alfred Field & Co., New York.
R. Heinisch's Sons Co., Newark, N. J.
International Cullery Co., Fremont, O.
Jackson Knife and Shear Co.,
Fremont, O.
Joseph Rodgers & Sons, New York.

Sheet Lead.

Colwell Lead Co., New York.

Sheet Metal Stampings.

Standard Stamping Co., Buffalo, N.Y.

Sheet Steel.

Dunbar Bros., Bristol, Conn.

Shelf Brackets.

Atlas Mfg. Co., New Haven, Conn. Sargent & Co., New York.

Shelving, Hardware. J. D. Warren Mfg. Co., Chicago, Ill.

Colwell Lead Co., New York. Shot Guns.

J. Stevens Arms & Tool Co., Chicopee Falls. Mass.

J. D. Warren Mfg. Co., Chicago, Ill.

Sidewalk Chisels.

Geneva Tool Co., Geneva, O.

Sidewalk Cleaners. Geneva Tool Co., Geneva, O.

Sidewalk Lights.

J. E. Bolles Iron and Wire Works, Detroit, Mich.

Sidewalk Scrapers.

Geneva Tool Co., Geneva, O.

Sidewalk Shovels. Geneva Tool Co., Geneva, O.

Silver Ware.

M. S. Benedict Mfg. Co., E. Syracuse, N. Y. Luther Boardman & Son, Rast Had dam, Conn.

Sink Bolts.

Atlas Bolt & Screw Co., Cleveland, Ohio.

Sink Cleaners. John W. Sudlow, Brooklyn, N. Y.

Skates, Ice and Roller. John H. Graham & Co., New York. Tower & Lyon, New York. Union Hardware Co., Torrington, Conn.

Skate Sharpeners.

Smith & Hemenway Co., New York. Tower & Lyon, New York. Union Hardware Co., Torrington, Conn.

Skawers.

John Chatillon & Sons, New York.

Slaw Cutters.

E. C. Atkins & Co., Indianapolle, Ind. Enterprise Mfg. Co. of Pa., Philadelphia. C. E. Jennings & Co., New York.

Sledges.

Columbus Anvil & Forging Co., Columbus, O.

Snow Shovels.

Iowa Farming Tool Co., Fort Madison, Iowa.
A. J. Phillips Co., Fenton, Mich.

Solder.

Berger Bros. Co., Philadelphia. Bruce & Cook, New York. Colwell Lead Co., New York.

Spading Forks.

Geneva Tool Co., Geneva, O

Spark Guards.

Gilbert & Bennett Mfg. Co., New York and Chicago,

Speaking Tubes.

Berger Bros. Co., Philadelphia. Spelter.

Bruce & Cook New York. Colwell Lead Co., New York.

Fuller Bros. & Co., New York.

Spiral Screw Drivers.

North Bros. Mfg Co., Phila., Fa. Volgt, Starr & Co., New York.

Spoke Shaves.

Alfred Field & Co., New York. Stanley Rule & Level Co., New York.

Sporting Goods. Enterprise Mfg. Co., Akron, U.

Springs, Wire. John Chatillon & Sons, New York, Clark & Cowles, Pisinville, Conn. Dunbar Bros., Bristol, Conn. Tuck Mfg. Co., Brockton, Mass.

Spring Balances.

John Chatillon & Sone, New York.

Spring Hinges. Bommer Bros., Brooklyn, N. Y. Niles Mfg. Co., Chicago. Sargent & Co., New York.

Squares, Steel.

Sargent & Co., New York. Stamping.

Clark & Cowles, Plainville, Conn. Stamps, Steel.

Schwerdtle Stamp Co., Bridgeport, Conn.

Standorette.

D. H. Allen & Co., Miamisburg, O. Staple Pullers.

Cronk & Carrier Mfg. Co., Elmira, N. Y. Smith & Hemenway Co., New York. Stav Rollers.

Gronk & Carrier Mfg. Co., Elmira, N. Y. John II. Graham & Co., New York. Lane Bros. Co., Poughkeepsie, N. Y. McKinney Mfg. Co., Allegheny, Pa.

Steamfitters' Supplies. Colwell Lead Co., New York.

Steel. Wilmot'& Hobbs Mfg. Co., Bridge-port, Conn.

Steel Hinges, Spring. Bommer Bros., Brooklyn, N. Y.

Steel Mats.

Keystone Steel Matting Co., Pitts-burgh, Pa. Steel Rossters and Bakers. Royal Polished Steel Roaster Co., Troy, O.

Steel Roofing. American Steel Roofing Co., Middle-town, O.

Steel Skips Syracuse Chilled Plow Co., Syracuse. N. Y.

Steel Track. Janesville Hay Tool Co., Chicago, Ill

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Steel Traps.

Hawkins Co., Waterbury, Conn.

Stencils.

Schwerdtle Stamp Co., Bridgeport, Conn.

Step Ladders.

American Juvenile Bed Co., Cincin-nati, O.

Stocks and Dies.

Armstrong Mfg. Co., Bridgeport, Alfred Field & Co., New York. F. E. Myers & Bro., Ashland, Onio.

Stone Hooks.

Geneva Tool Co., Geneva, O.

Stones, Scythe, Oil, Etc. Cleveland Stone Co., Cleveland, Ohio.

Store Fixtures

J. D. Warren Mfg. Co., Chicago.

Store Trucks.

See Trucks, Store.

Store and Warehouse Trucks,

Syracuse Chilled Plow Co., Syracuse, N. Y.

Stove Pipes.

Triumph Adj. Stove Pipe Mfg. Co., Joliet, Ill.

Stove Pipe Thimbles.
City Forge & Iron Works, Dayton, O.

Stove Polish.

Joseph Dixon Crucible Co. Jersey City, N. J.

Stove Trimmings

Fanner Mfg. Co., Cleveland, O. Trov Nickel Works, Albany, N. Y. W.lmot & Hobbs Mfg. Co., Bridge port, Conn.

Straightening and Cutting Machine. (Wire.)

F. B. Shuster Co., New Haven, Conn.

Strapping Belts. Ames Sword Co., Chicopec, Mass.

Street Hoes

Geneva Tool Co., Geneva, O. Strops, Razor.

Alfred Pield & Co., New York. Smith & Hemenway Co., New York.

Sugar Beet Tools.

Geneva Tool Co., Geneva, O. Willoughby Fork & Mfg. Co., Willoughby, O.

Table Cutlery.

Goodell Co., Antrim, N. H.

Tackle Blocks.

Burr Mfg. Co., Cleveland, Ohio. Lane Bros. Co., Ponghkeepsie, N. Y. Tower & Lyon, New York. Union Hardware Co., Torrington, Conn.

Tack Pullers.

Fanner Mfg. Co., Cleveland, O. Alfred Field & Co., New York. John H. Graham & Co., New York. Smith & Hemenway Co., New York.

R Heinisch's Sons Co., Newark, N. J. International Cutlery Co., Fremont, O.

Telephones.

Smith & Hemenway Co., New York.

Thistle and Dock Diggers.

Geneva Tool Co., Geneva, O.

Tinners' and Roofers' Supplies.

Berger Bros. Co., Philadelphia. L. D. Berger, Philadelphia. Bruce & Cook, New York, International Cutlery Co., Freniont, O.

Tin Pipe.

Colwell Lead Co., New York.

Tin Plate.

Bruce & Cook, New York.

Tire Bolts.

Atlas Bolt & Screw Co., Cleveland, Ohio.

Tool Chests.

American Tool Chest Co., New York. R. Bliss Mfg. Co., Pawtucket, R. I. C. E. Jennings & Co., New York. Geneva Tool Co., Geneva, O.

Tools.

Armstrong Mfg. Co., Bridgeport, Conn.

E. C. Atkins & Co, Indianapolis, Ind.
Coes Wrench Co., Worcester, Mass.
Alfred Field & Co., New York.
Geneva Tool Co., Geneva, O.
lows Farming Tool Co., Fort Maditowa raming 1001 co., rote man-son, lowa.
C. E. Jennings & Co., New York.
Stanley Rule & Level Co., New York.
J. Stevens Arms & Tool Co., Chicopee Falls, Mass.
Vcigt, Starr & Co., New York.

Transom Chains.

Smith & Egge Mfg. Co., Bridgeport,

Traps, Rat and Mouse.

J. M. Mast Mfg. Co., Lancaster, Pa. Smith & Egge Mfg. Co., Bridgeport, Conn.

Trowels.

R. C. Atkins & Co., Indianapolis, ind. Alfred Field & Co., New York, C. E. Jenuings & Co., New York.

Trucks, Store.

John Chatillon & Sons, New York. John H. Graham & Co., New York.

Tubes, Seamless Drawn.

Williamson W. N. Co., Newark, N. J.

Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

Turnbuckles.

Columbus Bolt Works, Columbus, O. Merrill Bros., Brooklyn, N. Y.

Twine.

Samson Cordage Works, Boston

Twist Drills.

C. E. Jennings & Co., New York.

Valves. Pump.

Berger Bros. Co., Philadelphia. F. E. Myers & Bro., Ashland, Ohio.

Varnishes.

Berry Bros., Ltd., Detroit, Mich. Glidden Varnish Co., Cleveland, Ohio.

Vases, Flower.

Gilbert & Bennett Mfg. Co., New York and Chicago.

Ventilators.

Berger Bros. Co., Philadelphia. Bruce & Cook, New York. G. Drouve Co., Bridgeport, Conn. Iwan Bros., Streator, Ill. Merchant & Co., inc., Philadelphia, Pa.

Armstrong Mfg. Co., Bridgeport, Ct. Alfred Field & Co., New York. Howard fron Works, Buffalo, N. Y. Tower & Lyon, New York.

Wagon Jacks.

Covert Mfg. Co., West Troy, N. Y. Lane Bros Co., Poughkeepele, N. Y.

Wagon Scales.

Osgood Scale Co., Binghamton, N. Y.

Washers, Iron and Steel.

Clark & Cowles, Plainville. Conn. Columbus Bolt Works, Columbus, O.

Washing Machines.

Boss Washing Machine Co., Cinciu-nati, O. H. F. Brammer Mfg. Co., Davenport, Ia.

Watchmen's Time Detectors.

E. Imhauser & Co., New York.

Water Coolers

Fulper Pottery Co., Flemington, N.J.

Water Still:

Health & Comfort Supply Mfg. Co., Cincinnati, O.

Wheelbarrows.

Bryan Mfg. Co., Bryan, Ohio, Syracuse Chilled Plow Co., Syracuse, N. Y.

Wholesale Hardware.

Logan-Gregg Hardware Co., Pitts-burg, Pa.

Window Lines, Pulleys, etc. Samson Cordage Works, Boston.

Window Screens and Doors.

John H. Graham & Co., New York. A. J. Phillips Co., Fenton. Mich. Porter Screen Mfg. Co., Eurlington, Vt.

Wing Dividers.

Smith & Hemenway Co., New York.

Wire, Barb.

Fuller Bros. & Co., New York.

Wire, Coiled Spring.

John Chatillon & Sons, New York. Dunbar Bros., Bristol, Conu.

Wire, Galvanized.

Bruce & Cook, New York.

Wire Cloth.

Clinton Wire Cloth Co., Clinton, Mass.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.

Wire Gates, Fences and Fencing.

W. J. Adam, Joliet, Ill.
J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Gilbert & Bennett Mfg. Co., New
York, Chicago.

Wire Goods Manufacturers.

J. E. Boiles Iron and Wire Works, Detroit, Mich. Clinton Wire Cloth Co., Clinton,

Detroit, min.
Clinton Wire Cloth Co., Chance,
Mass.
Gilbert & Bennett Mfg. Co., New
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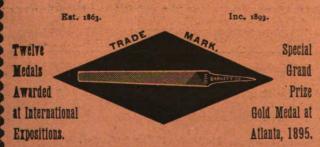
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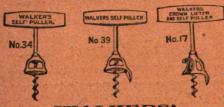
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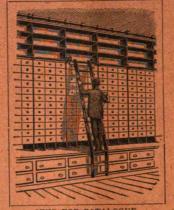
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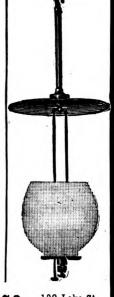


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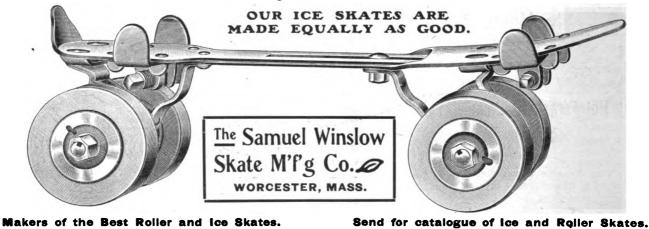
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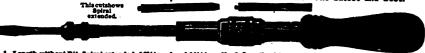
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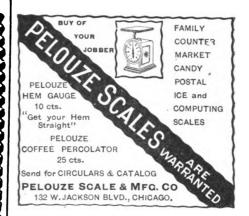


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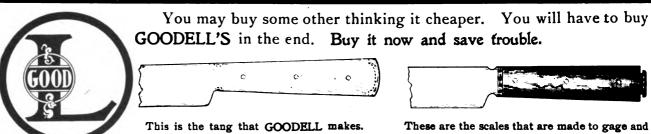
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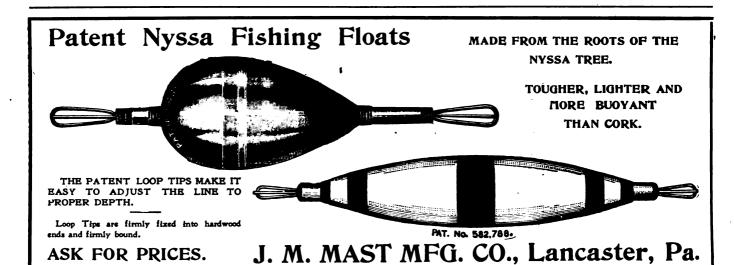
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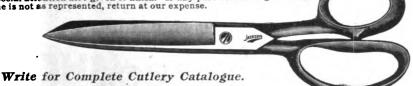
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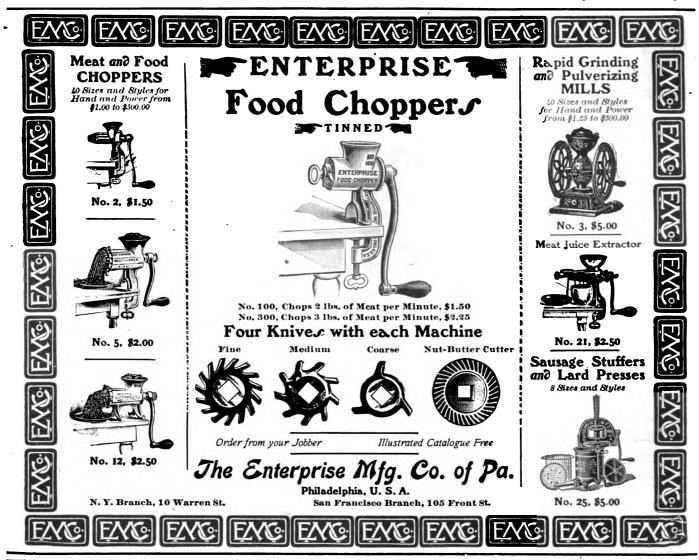
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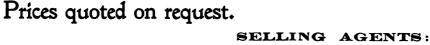


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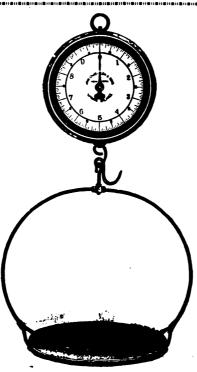
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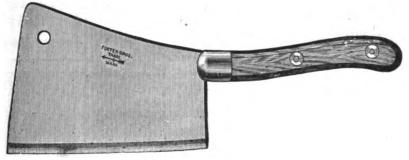
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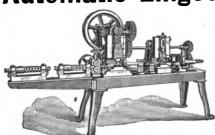
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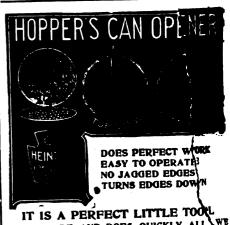


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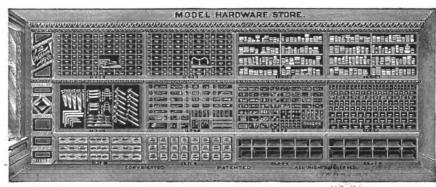
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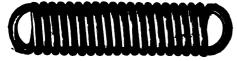
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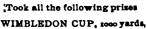
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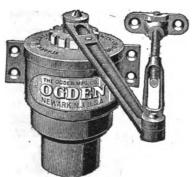
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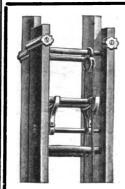
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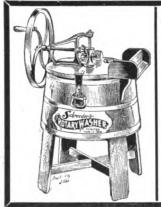
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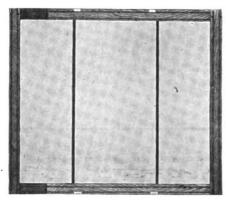
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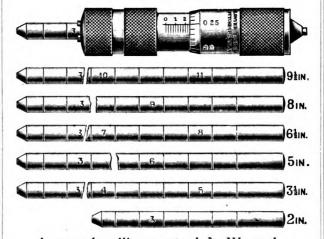
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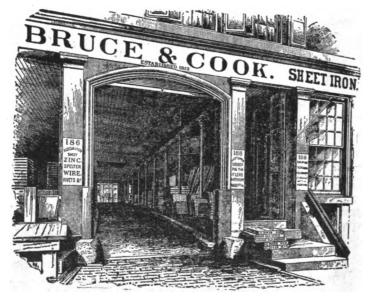
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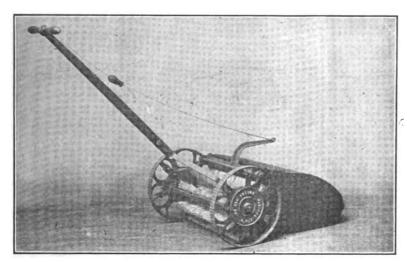
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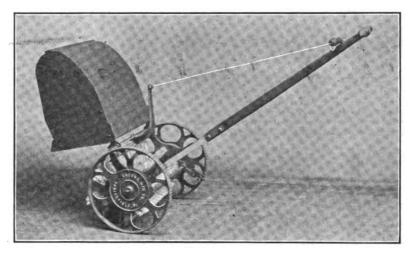
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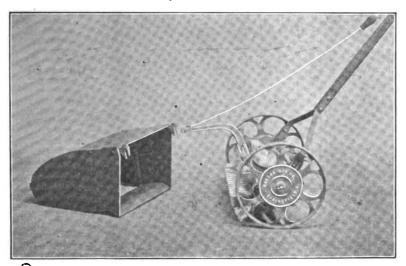
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HARDWARE

One of the handsomest calendars which has reached our office this season was that issued by E. C. Atkins & Co., Indianapolis, Ind., and which depicts in glowing colors twelve of the loveliest flowers of America, being a reproduction of six fine combined designs after Paul de Longpre, every one of which deserves a frame. The company will mail duplicates to those of our readers requesting the same if they will enclose fifty cents for mailing charges, etc.

L. R. May, the well-known cutlery salesman, who for so many years has travelled in the interests of leading importers of cutlery, among whom were McCoy & Sanders, Alfred Field & Co., and vom Cleff & Co., has recently connected himself with Adolph Kastor & Bros., 109 Duane Street, representing which extensive establishment will doubtless enable him to hold trade and largely increase it.

Peck Edge Tool Co., Cohoes, N. Y., are mailing to the Hardware trade a novel calendar, which, while advertising the products of the company, presents in one large group all of the Presidents of the United States, from Washington to McKinley. Included in the handsome illustration as a background is a portrait of President Roosevelt surrounded by numerous scenes that have made his life eventful.

The entire business of the paint department of the H. W. Johns Mfg. Co., 100 William Street, New York, has been taken over by the H. W. Johns Paint Mfg. Co., a new corporation. This will make the Liquid Paint business entirely independent of the products made by the H. W. Johns Mfg. Co. To the present line of liquid paints, white lead, colors in oils and varnishes, a complete line of painters' sundries will be added. The change went into effect in November. The new organization is officered as follows: President, H. W. Johns; vice-president, G. W. Gladwin; treasurer, F. R. Boocock; secretary and general manager, John S. Mowry.

Charles C. James, who for seven years has represented the interests of Baeder, Adamson & Co., has connected himself with the Armour Sand Paper Works, owned and operated by Armour & Co., and will cover the territory of New York, New Jersey and the cities of Baltimore and Philadelphia. His office will be located at 211 Pearl Street, New York.

The Glidden Varnish Co., Cleveland, Ohio, are mailing this year a very attractive calendar, which is an artistic piece of color work, extolling the virtues and many uses of one of their important products "Jap-a-lac." The centre is occupied by a bright little boy of five years having a can of "Jap-a-lac" under his arm, and carrying another in his right hand. The whole scheme is bright with color, and the beauty and natural attitude of the "five-year-old" would command notice wherever placed.

An event of unusual importance in the shooting world occurred at the range of the Massachusetts Rifle Association, Walnut Hill, Mass., Dec. 7th, 1901. Thomas Anderton, the well known pistol shot attempted to break the 50 shot pistol record at 50 yards on the Standard American Target. He was successful in his undertaking, scoring 476 points, which exceeds the former record by one point, the old record of 475 points being held by J. E. Gorman, of San Francisco, Cal. Mr. Anderton used Peters Long Rifle Cartridges in making this new record.

Our readers will notice an article in this issue, of a reminiscent character, from the pen of that veteran Hardwareman, James E. Halsey. There are few old timers still active in the field who antedate his advent in the business, and fewer still who can so readily draw upon the stores of memory for recollections of the good old days when the New York jobber was a power in the land.

The Grand Rapids Refrigerator Co., Grand Rapids, Mich., are distributing to the trade a very handsome and attractive hanging calendar representing a large bowl filled with roses of the several noted varieties that are in demand the country over, the background being in a novel application of bronze. As the advertising in which interest the calendar is distributed, is confined entirely to the back of it, and nothing but the superb flowers and monthly calendar occupies the front, this fine art offering is of the most acceptable kind, and is made deservedly welcome. It certainly deserves consideration and should be asked for by the trade if not already at hand.

The Standard Horse Nail Co., New Brighton, Pa., come to the front this season with a large size hanging calendar exploiting the style of package in which their well-known brand of Horse Nails is marketed. The lifelike looking boxes in characteristic pose ornament the centre of the calendar. It will no doubt serve the purpose for which it is intended, and prove a good reminder during the year of its utility.

We reported in our previous issue that Brown & Wales, Boston, had discontinued their Cycle Jobbing Department. This was an error, as we are informed by the firm that they have no such intention, and will continue that branch of their business as energetically as ever.

The Columbus Bolt Works, Columbus, Ohio, have just finished one of the most successful years they have known in business. A considerable portion of their product now finds a ready market in England, South America, Australia and South Africa.

Schill Bros'. Souvenir Calendar.

The Schill Brothers Co., Crestline, Ohio, issue as a 1902 Calendar and Souvenir an artistic reproduction of an original painting entitled "The Raffle," the original work of art being a masterpiece of a noted artist. They claim there is a moral hidden in the subject, which might in some eyes be regarded with disfavor:

"Every business, from the humblest street vender to the largest manufacturer, or the smallest individual doing business to the largest corporation; the capitalist's investment, the mechanic's skill, the laborer's labor, the attorney's plea for his client, the doctor's treatment of his patient, the child at school, the student at college—all is a raffle, each striving to win."

It is deserving of a place among commercial surroundings from its artistic expression, representing as it does three persons engaged in throwing dice to decide the ownership of a fine goose suspended nearby. The eager expressions on the faces of the participants, and the natural poses of the subjects represented, entitle it to a welcome which it will invariably receive.

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HARDWARE

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NO.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.

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Letters should be addressed

HARDWARE PUBLISHING CO.,

275 Broadway, New York.

L. E. MITCHELL,

President.

A. P. MITCHELL,

Secretary and Treasurer.

HENRY HOPKINS,

Editor.

A. F. BOLLES.

Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted Exclusively to the Hardware Trade.

Editorial Trade Review.

The successful completion of the first year in the new century brings with it the harbingers of prosperity visible on every hand, giving promise of a continuance of conditions so encouraging to the consumer, the dealer and the manufacturer. The prospects for the present are of a much more promising character than was the case a The iron and steel industries during the twelvemonth just past have reached their most phenomenal output, increasing in such manifold ratios under a continuous demand, resulting in the railroads experiencing the greatest difficulty in handling the increasing Orders of record size requiring increasing transportation facilities results in orders for locomotives and cars that will crowd the order books of the manufacturers for many months to come. This same limit of industrial healthfulness is visible in every direction. The mines are being worked to their utmost capacity; the furnaces under pressure for greater supplies of raw material, are pushed as never before, and the mills with books filled with orders for material needed by our manufacturers in every important line of production, who are increasing the productive area of their plants, with the hope and prospect of controlling as large a slice of our National prosperity as perfect facilities should entitle

Money is plentiful on every hand in ample supply for the purposes of increasing traffic, with phenomenal bank clearings to inspire a condition of commercial confidence, so advantageous to the continuance of many business enterprises now being promoted. The prospects for building were rarely so promising for future expansion; an increasing demand for new buildings, for store and residence purposes, is visible in every important trade centre. The prospects for an unusual demand for Builders' Hardware will have a tendency to strengthen the markets in this legitimate line of Hardware manufacture, which for some time has suffered greatly from too great an amount of competition applied to a large proportion of the production.

Everything points to a year of unchanging activity, with the markets on grain sustained by prices rarely reached by the agriculturist. Improvements will be made by the grain grower that will increase facilities and improve production as well as benefiting the Hardware and Implement dealer through a demand for needed supplies in order to secure all the advantages of a more extended area of crop productiveness.

There is scarcely a line of business connected with the Hardware industry but what the most confident expectations are expressed of the profitable outcome of the present year. Stocks on hand are by no means large in volume. Prices on present business, while firmly held on nearly all leading products, present no speculative tendencies, the advantages looked for from the year's business being perfectly legitimate and derived from a contemplated steady demand, general in its conditions, and founded on the current wants of each centre of commercial activity.

When a review is taken of the general business of the year just past, it would seem as though some credit should be given to these large consolidations, controlling largely the output of leading staples, that so little demoralization of prices resulted from the strike conditions which at one time jeopardized their prosperity. Under the customary state of affairs formerly in vogue, before these vast aggregations of capital so steadily held the balance of power, diverse and rapidly changing quotations would have been the weekly if not daily features of a general market, that in the year just past scarcely gave a sign of a ripple of disturbance, completely eliminating all the elements of speculation from the general trend of trade.

Colonial Administration.

The improvement of the material, mental, and moral condition of the people of a colony, and the methods applied by successful colonizing governments in that work is the subject of a chapter in the work on Colonial Administration, just issued by the Treasury Bureau of Statistics. To answer this in a single sentence would be: The introduction and extension of modern civilization and enlightenment. To answer it in detail would be to show what the great colonizing countries of the world have done for the advancement of their colonies during the nineteenth century—the introduction of roads, railways, irrigation works, river and harbor improvements, and through them the development of production and thus of material prosperity; the encouragement of commerce and the adoption of improved conditions of life; the establishment of reliable and permanent forms of currency, with proper banking facilities for the encouragement of thrift among the natives; the establishment of postal and telegraph service for the encouragement of intercommunication among the people of the colony and between them and the outside world; the establishment of steamship lines to connect the colony with the home country and the



civilized world; the encouragement of education through schools, colleges, newspapers, libraries and churches; the establishment and proper administration of laws and regulations by which public safety and order are assured.

When it is considered that in India alone, where roads were unknown when the British Government assumed control, there are now 150,000 miles of road, of which over 30,000 are "metalled;" that the railways in the British colonies now aggregate 63,549 miles, against 33,000 in 1885, a growth in 15 years exceeding the entire distance around the earth; that the irrigation canals and other works of India are 36,000 miles in extent, and the area irrigated by all methods exceeds 30 million acres, and that although they have cost about 400 million rupees, the value of a single year's crop in the irrigated district above that which it could produce in years of drought is more than the entire cost of the canals, the importance of these public works for the development of agriculture and commerce will be apparent.

When it is further considered that the commerce of the British colonies alone has grown from over 300 million dollars in 1850 to 2,400 million dollars in 1900, their development under the fostering care of an intelligent method of government and the consequent benefit to the natives as well as the consuming world will be appreciated. The fact that the British colonies were able to import 1,150 million dollars' worth of food, clothing, and the comforts of civilized life from other parts of the world in 1899, against 140 million dollars' worth in 1850; the French colonies 160 million dollars' worth in 1899, against 91 million dollars' worth in 1887—an increase of 72.5 per cent. in twelve years—still further emphasizes the increased earning capacity of those colonies and affords some measure of their improved material condition.

When it is further realized that the amount standing to the credit of depositors in savings banks in the British colonies alone, which amounted to 133 million dollars in 1885. had increased to 288 millions in 1899, an additional evidence of the growth of prosperity and thrift among the people of the colonies will be apparent. When it is seen from official reports that in India alone the number of post offices has grown from 753 in 1856 to 29,122 in 1899, and that the number of pieces received by the post offices increased from 75 million in 1860 to 489 million in 1899, the development of intercommunication and of mental as well as business activity among the people may be to some extent measured. Still another evidence of the same is seen in the fact that the telegraph lines in the British colonies have grown from 115,000 miles in 1889 to over 150,000 miles in 1899, thus increasing their length in a single decade by more than the distance around the earth; and that the telephone lines in those colonies now aggregate more than 50,000 miles in When it is further considered that the total numlength. ber of pupils in the schools of India alone is now nearly 4,500,000, against about 3,500,000 in 1888, and that the expenditure for public instruction was, in 1899, 36,215,000 rupees, against 394,000 rupees in 1858, the growth of education and educational facilities will be to some extent realized, while additional evidence of the general intelligence will be found in the fact that the number of vernacular newspapers published in India in 1897 was 758, and the number of books and magazines published in 1898, 7,437, of which 6,236 were in the native language.

The Patent Office.

A number of articles have been published lately deriding inventors and setting forth what seems to me to be a narrow minded view of the patent system of this country.

These articles must have been written by persons who have not given the matter careful thought. Anyone who to-day thinks of American inventors as a set of "Cranks," and of the patent system of this Government as useless, or of little value, is not up to date and should, in the words of the "Coon" song, "Go 'Way Back and Sit Down," or as the Englishman sung it, "Retire to the extreme rear and be seated."

Many of these self-appointed critics glibly state that ninetenths of the inventions for which patents are issued are "failures."

The question of what is a "failure" naturally arises. I would also like to ask where do these critics get their statistics?

I have for years been considering how best to obtain reliable statistics as to what proportion of the large number of patents granted each week cover successful devices, but I have been unable to come to any conviction either as to a practical method of obtaining the proportion of failures or as to just what constitutes "failure." I should be pleased to know how they fix the failures as numbering nine-tenths of the whole number issued?

"I have for years examined the weekly issues of patents and from my knowledge of the various arts I have felt inclined to place the number of successes at about one-half the total, but this is only a guess. I am morally certain, however, that a greater proportion of the issues than one-tenth are successful. I know to almost a certainty that more than one-half the inventions that have passed through my hands in recent years have proven successes, and from many conversations with other attorneys I am led to believe that a general estimate of one-half would not be far wrong.

It is very difficult, too, to define a "success." Each person I have talked to about the matter has seemed to me to have a different idea of the matter. Many confuse it with operativeness, or mechanical success, and many, again, seem to have such an exalted notion of the term "success." To them only those patents that bring fortunes are successful. My own idea is that an invention is successful—not merely mechanically operative, but successful—if it has been developed and tested sufficiently to demonstrate beyond a reasonable doubt that if backed by capital to an amount commensurate with its nature and by reasonable energy it would pay to push it. I do not think any other criterion can be set up. It is not fair to say that only those inventions which are exploited on the market in paying quantities are successful, because the successful exploitation requires many more conditions to be present than merely that the invention be practical and that a need exists for it. No matter how much need exists for a new thing there is much expensive work to be done to create a demand for it, and it is this bugbear that frightens off many intending investors in patents.

It is, no doubt, true that much labor and money are wasted in inventing and developing inventions that are chimerical and impractical, but this evil is fast being lessened with the spread of knowledge by the trade papers and by the elimination of dishonest patent solicitors. We in Washington see fewer and fewer perpetual motion and aerial navigation cranks as the years go by, and I have a firm belief that a real crank will be a curiosity even to us in a few years. But even when the crop of cranks was greatest, which was probably in the '70's and '80's, the waste resulting from their harmless vagaries was so infinitesimally small compared to the wonderful work wrought by the American inventors that it can be eliminated entirely from any estimate of the value of our patent system.

And this wonderful work that is being done by the best patent system and the greatest inventive nation on earth is wholly due to the enthusiasm which these adverse critics make light of. Nothing would be so calamitous to the industries of this nation as that its inventors should lose faith and enthusiasm in their own creations. I have known this faith to carry so many inventors through years of toil and privation to success that I shall never cease to marvel at it as a wonderful provision of nature for our advancement.

Chas. D. Davis.
Of Davis & Davis, Patent Lawyers, New York and Washington.



LEGAL CORRESPONDENCE.

Any subscriber to "HARDWARE" is privileged to ask any legal question he pleases in this Department and it will be answered free of charge. Address all communications to Editor "HARDWARE," No. '277 Broadway, New York City.

Execution-Judgment By Default.

QUESTION: About two weeks ago I was sitting in my shop talking to a business friend, when a city marshal came in and said he had an execution against me and if I could not pay it he would levy upon my goods at once. I found on inquiry from him that a firm with whom I had a small account had sued me in the Municipal Court and had obtained judgment against me. I was never served with a summons in the case and knew nothing of the matter until the marshal came to my shop with the execution. I paid the execution under protest and took a receipt. Was this judgment properly obtained, when I knew nothing of it? What do you advise?

REPLY: A judgment obtained without the service of summons in one of the ways prescribed by the Code is invalid and can be set aside. We have known of a similar case to yours, where an affidavit was made by a process server that he had served the party with a summons, and upon this affidavit judgment by default was taken and execution thereon issued. It is not unlikely that in your case something similar to this occurred. You may either appeal from this judgment upon affidavits stating that you knew nothing of the action and were never served with a summons, or you may move in the Court where judgment was rendered to open your default or set the judgment aside for the reason stated. We would advise you to appeal.

Attachment—Meaning of "Residence" under New York Statute.

QUESTION: Kindly answer the following question through the column of your paper. Has A a right to get out an attachment against B upon the ground that B is a non-resident of the State of New York, when B owns considerable property in Chicago, and it can be shown that B intends to return to Chicago, but that at present B is staying in New York?

REPLY: The New York Code of Civil Procedure provides that where a party is a non-resident of this State an attachment against his property situated in this State may be issued where certain causes of action exist. The word residence, as it is used in Section 636 of the Code, has been defined by the Courts of this State to mean the abode or place where one actually lives and does not mean necessarily a legal domicile. One's legal domicile is the place they consider as their home and the place to which they intend to return. It is, therefore, plain that, although a person may not have his legal domicile within this State, he may, as far as this Section of the Code goes, be a resident. We are, therefore, of the opinion, that upon the state of facts you present A could not procure a valid attachment against B upon the ground that B was a non-resident of the State, and further, if an attachment upon this ground was obtained it would be vacated or set aside at B's request.

Rights of Property Owners.

QUESTION.—A and B own adjoining property in the city of Worcester, Mass. A lets a contract to C for the foundation of a building on his (A's) land. C erects a derrick on the land of A and asks permission of B to fasten one of the guy ropes on his (B's) land. The permit is refused, but C, with several of his men, come upon the land of B and fasten the rope there under protest of B. Has B the legal right to unfasten the rope and put it back on the land of A, where the derrick is, without applying to the court or city authorithe derrick is, without applying to the court or city authori-

REPLY.—We are of the opinion that upon the facts before us B would have the legal right right to remove the rope fastened upon his land without applying to the court or city authorities, provided that B could so remove the rope in question without committing a breach of the peace. We are of the opinion that the placing of the guy ropes on the land of B constitutes a trespass thereupon, and that B would have

the legal right to remove the rope, as well as any person who comes upon the land, provided the removal of either the person or the rope can be effected without undue violence. Should C, after a removal of the rope, continue to trespass upon the land of B by fastening the guy rope upon the land of B, or in any other way, we are of the opinion that B, upon application to the proper court, could obtain an injunction against C and his employees and agents restraining any of them from again trespassing upon the land of B.

In the event of C disobeying the order of the court, proceedings could be at once instituted by B to punish C for a contempt of court. In New York State, if the disobedience of the order of the court impaired or impeded the rights of B, damages could be assessed against C as well as punishment by imprisonment for the disobedience of the order of the court. Doubtless a provision similar to that contained in the New York statutes affecting the subject of contempt exists in the statutes of the State of Massachusetts.

Farwell, Ozmun, Kirk & Co.'s Fifth Annual Banquet.

The fifth annual banquet given by the wholesale Hardware firm of Farwell, Ozmun, Kirk & Co., St. Paul, Minn., to its employes, at the Ryan Hotel, St. Paul, Dec. 30th, was one of the most successful affairs the company has ever engineered for the entertainment of its large staff of workers.

The banquet took place in the large dining room of the hotel, and over 170 of the force were on hand to partake of the good things, and toast the members of the organization. The tables, three in number, ran the entire length of the room, and a ten-course menu was enjoyed to the utmost by all present.

Music was furnished by Miss Hope's Ladies' Orchestra, a programme of fifteen numbers, popular and classical, being rendered. Vocal numbers of a high class were given by the Orpheus Quartette, and Al. G. Flournoy amused his auditors with his pleasing songs and recitations. President R. A. Kirk, of the firm, was the presiding officer, and delivered the first speech at the conclusion of the feast.

Mr. Kirk said in part:

"We are not here to-night with business as our main object. In fact business has but little place with us within these

"One year ago, as we anxiously forecast the future, we felt that the greatest danger to the satisfactory results of the year then before us, lay in a possible falling market in the last half of the year. That danger was not realized. Favored by reasonably good crops, by the steady hand of great consolidated industries and also aided in this direction by the strikes that occurred, there have been, on the whole, steady markets, and we have come to the close of the year with very firm prices in nearly all lines, and with the prospect of a strong market for so long a period ahead that it would be utterly useless to make a guess as to the probable date when a heavy declining market will set in.

Our house has had a fairly prosperous year. For this we desire to thank most heartily everyone connected with us, who has tried to do his best to advance the interests of the house. Without your help and your hearty co-operation no such result could have been reached.

"We have all made mistakes. We have blundered too frequently—more so, I am sure, than we expect to do in 1902; but it is still true that from the great part of our force—both on the road and in the house—we have had hearty, loyal service—service, I believe, not surpassed by that of any other house in the land."

Mr. Kirk alluded feelingly to the death of Mr. A. J. Galbraith, who had been for nineteen years with the firm, during the latter portion of which he acted as counsel, and also expressed his sorrow at the mortal illness which now confines Mr. George S. Wiseman to his home. Mr. Wiseman has been with Farwell, Ozmun, Kirk & Co. for over twenty years.

In conclusion Mr. Kirk said that it remained for the workers of the company to stand faithfully to their posts and meet their duties unflinchingly that the period for the house during 1902 might be one of which none should be ashamed when

next they gathered around the festive board.

Mr. Charles H. Bigelow, Sr., was the next speaker on the programme, and he, in turn, was followed by Mr. T. T. Batchellor, of the Minneapolis *Hardware Trade*.

Mr. H. P. Hall of the St. Paul *Trade Journal*, spoke on behalf of trade papers, and the programme was concluded with several numbers from Al. G. Flournoy, and the singing of "America" by the entire assembly.

Ninth Annual Banquet of King Hardware Co.

The occasion of the ninth annual banquet to the employes of the King Hardware Co., Atlanta, Ga., which was given at the Kimball House in that city on the evening of Dec. 27, is one that will long be remembered by all those whose privilege it was to be present. The banquet eclipsed all of the preceding ones given by the company, and was a fitting celebration of the prosperity and growth of the company during the years that have passed. A plate was laid for every person in the employ of the King Hardware Co., and with but two exceptions they were all there to accept the hospitality which was tendered them.

The growing idea that the interests and welfare of the employer and the employe are inseparable was strongly illustrated in the spirit of friendliness and equality that prevailed around the banquet board. The owners and proprietors of the Hardware company sat alongside the employes and enjoyed the feast that had been prepared in handsome style. It was a banquet to the employes, but to one listening to the speeches that graced the occasion it seemed that they all were stockholders, such zeal was manifested in the prosperity which the firm is enjoying.

The banquet took place in the private dining room at the Kimball House and began shortly after 7 o'clock. It was after 11 o'clock before the glad company of co-workers dispersed.

A special table had been prepared for the colored employes and they partook of the same menu as the others. There were eight of them. The menu served was a delightful one and was thoroughly enjoyed by all. No wine was served as it is the desire of the employers in the King Hardware Co. to encourage sobriety and temperance among those who have charge of its affairs.

President George E. King graced the chair of toastmaster. When the feasting had advanced to the proper point Mr. King introduced Vice-president W. E. Newill, who made the first speech of the evening and eloquent words welcomed the banqueters and assured them of the firm's good will toward them.

Mr. Newill was followed by T. S. Methvin, one of the company's leading drummers, who spoke on "Why I Travel," in a way that kept his listeners deeply interested all the time he had the floor. He gave some interesting incidents with which he had met during his experience as a traveling man as well as many good pointers to others of the firm who might expect to become drummers at some time.

John E. Clarke spoke on "The Right Way." He told his fellow-laborers how to meet the customers and what the right way to treat them is. Mr. Clarke has been with the King Hardware Co. for many years, and was eminently fitted to speak on the subject assigned him. He is at the head of the house furnishing department.

Other speeches that were roundly applauded were: "What I Would Like," by L. D. Watson, shipping clerk; "Some Cutting Remarks," by John R. Webb, of the cutlery department; "God Wants the Effort," by A. B. Well; "How to Sell Stoves," by C. W. Merritt, and "How a New Man May Succeed," by G. A. Martin.

Dr. Theron H. Rice, of the Central Presbyterian Church, was present and opened the banquet with prayer.

Seventh Annual Banquet of The Gray & Dudley Hardware Co.

The seventh annual banquet of the Gray & Dudley Hardware Co., Nashville, Tenn., was given at the Tulane Hotel Thursday evening, December 26. Covers were laid for 150 men, and the menu was attractively prepared. The occasion has been an event in the life of the employes of the company for a number of years. Seven years ago the guests present numbered forty, traveling salesmen and all. Last night the number of traveling salesmen alone was that great. The growth of the company has been remarkable, and at present it is serving one of the most extensive list of customers in the country.

The employes came to the hotel in a body, marching by divisions, and the Gray & Dudley band furnished some excellent music. Between the courses of the banquet the quartette gave several excellent selections. The vocal music was well-timed, and the voices of the singers harmonized with pleasing effect. The members of the quartette are Mose Womack, Gene Martin, E. S. Buchanan and R. F. Martin.

After the guests had dined R. M. Dudley responded to the first toast: "The Gray & Dudley Hardware Co." He said, in part:

"Heretofore I have acted as toastmaster and endeavored to assist in the entertainment in this capacity, but it has been suggested that I should assume a more important role and a more dignified air, and deliver an address. The suggestion is so ridiculous that it dispels all dignity.

"You will excuse me, if most of my remarks are about the Gray & Dudley Hardware Co. The success of our company has been the wonder and admiration of every patriotic citizen of Nashville, and I am frequently asked, How did you do it? I deny the soft impeachment. I didn't do it, you did it! It was done by co-operation and organization. I believe that every employe of the Gray & Dudley Hardware Co. fully realizes that all our interests are mutual, and this great complination of talent, working mutually for the success of the organization forms almost an irresistible power.

"We have the finest Hardware store in the world, and the largest Hardware business south of the Ohio River, and we are only in our infancy.

"When we organized this business we were advised to go to Memphis or Cincinnati, where they have more railroads and a better river. I admit that we do not possess the railroad facilities we need, but this defect is being rapidly overcome, and I wish to impress you with the fact that while we admit that rivers and railroads are necessary to the commercial development and growth of a city, they are not the only factors in the building up of a great city. If Nashville, located as she is, in the richest country in America, finest climate and other wonderful natural advantages, had in addition to these blessings the shipping facilities of Memphis, there would simply be no Memphis."

The other speakers and their toasts were as follows:

Gen. L. C. Houston, of Georgia, "The Hardware Business;" W. C. Pollard, valedictory and salutatory; Geo. W. Everett, "New Hardware Rhymes;" O. L. Dortch, "Tale of Two States;" J. C. Wimberly, "The Gray & Dudley Hardware Co., in the Delta;" Marvin Mabrey, "The Boys in the Loft;" F. S. Harris, "Texas or Bust;" John M. Pickard and Ernest Sneed, "Our Rival Poets in Two Acts;" W. H. Fickling, "The Finest Hardware Store in the World;" Henry Hill, "Our Daily Statements;" Jake Boyles, "Our Office;" Thomas Dale, "Billing, Past and Present;" F. L. Martin, "Our Traveling Men;" Will Buchanan, "Undisturbed in My Old Territory;" S. P. Shannon, "Why J Am a Bachelor."

George W. Everett, who responded to "New Hardware Rhymes," made a decided hit with his speech and, although possessed of meter which would have horrified Milton, was one

of the funniest things on the programme and made a decided impression.

Marvin Mabrey, whose subject was "The Boys in the Loft," made an excellent speech, and F. S. Harris, who chose for his text "Texas or Bust," told many funny incidents about life in the Lone Star State.

Will Buchanan, who is said to be the only drummer on earth who is satisfied with his territory, responded to a toast on those loved spots where he is familiar with the bark on every tree and knows every man, woman and child on his route.

Thomas Dale, who spoke on billing, and who did not discuss cooing, made a decided hit, and S. P. Shannon explained in eloquent terms the question "Why I am a Bachelor."

There were other speeches and they were all good. It was a very late hour when the body of men adjourned, thanking their hosts for this seventh occasion of good cheer and happiness.

Berger Brothers Co. Have a Slight Fire.

Early on the morning of January 4 fire broke out in the pipe and gutter factory of Berger Bros. Co., Seventeenth and Clearfield Streets, Philadelphia, and gained considerable headway before discovery by the employes of an adjoining works. The fire department was prompt in responding to the alarm and quickly had the fire extinguished, but not until a small section of the second and third floors had been burned through, and the nearby stock damaged. The cause of the fire is unknown, but presumably came from sparks from outside sources, either from passing locomotives or an adjoining forge works. No hands were thrown out of work, and everything will be running in its usual order within a few days. The loss is principally on the building, which as near as can be estimated at present will range from \$1,000 to \$1,500.

National Sweeper Co. make a Change.

The increasing business of the National Sweeper Co., Marion Ind., in their legitimate line, that of Sweepers, has grown to such an extent that it has been decided by the company to dispose of their Wringer department, to which considerable attention has been given in the past, and confine their efforts to the manufacture of Carpet Sweepers exclusively. The Wringer business will be turned over to another company at once, who design putting in one of the most complete rubber plants for the purpose of manufacturing purposes of any company in the country, by the aid of which all the rolls and other rubber parts used in the manufacture of clothes wringers will be made economically and expeditiously. In addition to the rubber plant, a large foundry will be put up to produce the castings necessary in the manufacture of the "Magnet" brand of clothes wringers, embodying a series of improvements that will put them in a position to turn out wringers as good as can be made, at popular prices. In fact, the present plan calls for an expenditure of \$40,000 to \$50,000 for these and other contemplated improvements, and it is believed with the good start that the National Sweeper Co. has already given this branch of their enterprise, a large and profitable business in this line should be built up by those who succeed to this branch of their business. The name of the new company will be announced to the trade at an early date. This move on the part of the National Sweeper Co. will put them in a better position than ever to take care of their fast-growing Sweeper trade, which will absorb their entire time, and efforts will be put forth in the furtherance of the Sweeper business which will no doubt prove greatly to their advantage.

An Attractive and Artistic Calendar.

The Peters Cartridge Co., of Cincinnati, Ohio, has issued a particularly fine and striking calendar for 1902. The

background of the calendar is dark red, over a portion of which are sketches in gold showing a sportsman shooting from a gunning skiff, a hunter behind a rock preparing to make a shot on a deer, and a gunner afield with dog shooting quail. The most striking part of the calendar is a series of circles made up of the heads of Peters' rim and central fire metallic cartridges, and heads of Peters' shotgun shells. Between the outer circles and the next are excellent pictures of feathered game; between two other circles are the heads of furred game, consisting of caribou, cougar, moose, elk, deer, bear, antelope and lynx. The center piece is the head of a big horn, or mountain sheep. The heads of the cartridges are in gold.

This calendar is artistic and will appeal strongly to the sportsman. A reproduction of it is shown in the accompanying illustration, which does not fully show its beauty on account of the absence of the rich colors the calendar contains

The Peters Cartridge Co. wish so far as it is possible to distribute this calendar through the trade, to whom sports-



PETERS CARTRIDGE COMPANY'S CALENDAR.

men may apply for one, but if they are unable to procure the same through this source they can secure one by enclosing six cents for postage to The Peters Cartridge Co., Cincinnati, Ohio, or to the Eastern Department, 80 Chambers Street, New York, T. H. Keller, manager.

"Modern Paintings."

Under the above taking title appears at the present season the usual elegant Christmas greeting from the Sickels, Preston & Nutting Co., Davenport, Iowa, which consists of a portfolia of six reproductions from originals by color photography. The subjects are the "Pacific at Santa Clara," by 0. F. Baker; "A Prince of the Heather," by Ada L. Stewart; "The Horse Market, Normandy," by George Bernier; "Compulsory Education," by Alex. Van Autro and E. R. Maes; "An Interesting Family," by Ed. Musson, and "Contentment," by Theo. Van Sluys. These extremely handsome paintings are 11 x 14 inches in size, and are perfect specimens of modern art. This unique greeting has permanent value, and will beautify many happy homes for a year to come.

"Relentless time, that grasps each happy day, Still gives us joys we add to memory's store; As when the swelling ocean ebbs away, And lays a trail for treasures on the shore."

"Memory's store" brings back to me the good ship Robert Bowne, lying at the foot of Wall Street, "up" for San Francisco, with my old schoolmate, William Paulding, among the passengers, and who begged me to go with him. At that time I was a boy, employed by James M. Weed, Hardware merchant, at 179 Pearl Street, this city. While I could not go with him, and leave a widowed mother, I induced Paulding to take with him a lot of "Allen's" revolvers, the old "pepper box" style then in vogue. Paulding also sent other passengers to invest, and the result was that our stock of revolvers was cleaned out. But I bought all there was in sight, and for a time had "a corner" on them. I cleaned out the stock held by Blunt & Syms and Adam W. Spies, who were then in business on Maiden Lane, near Gold Street. Paulding, I believe, received an appointment in the United We were "chums" at States mint in San Francisco. Bragg's male high school in Crosby Street, prior to this, and I recall that our teacher, when examining the class in Grimshaw's History of the United States, would always give Paulding one particular question to reply to, no matter whether it was in his regular course to answer or not. Our teacher would stop suddenly, and then would ring out, "Paulding, who captured Major Andre?" Paulding rose, with dignity and pride replied: "John Paulding, Isaac Van Wert and David Williams," pronouncing the John Paulding long and loud, and in a lower tone, as well as cutting them short, the other two names, swinging his hands, and looking every inch the grandson of John Paulding, which he was.

How Isaac Bragg did drill us in pounds, shillings and pence, and when I remonstrated with him, would kindly reply that the day would come when I would thank him for it. Isaac Bragg was right, for in the importation of Hardware I found in making calculations of cost, that the instructions drummed into me were then and there invaluable. At that time we imported nearly everything, Clark's hollow ware, James' screws, Griffith's English and German horse nails in 25 lb. bags; Thompson's padlocks, Carpenter's rim locks, Butcher's, Beardshaw's and Jowett's files, Spear & Jackson's saws, Elwell's and Yates' planters' hoes, fry pans, all kinds of gun implements, Eley's and Baldwin's gun wads, Cox's and Eley's, as well as the French "G. D." Percussion Caps, table and pocket cutlery. And steelyards! How these steelyards would "open up!" Originally tied three or six pair in a paper bundle, they would generally have to be repapered, and to get them in ship-shape packages again required the patience of a saint. Now none of us Hardware boys were saints. The task we had on these steelyards would have tried the patience of Job, and although I have read considerable about his trials and tribulations, I fail to find that he ever tried to tie up steelyards. I believe he would have drawn the line at steelvards.

I remember I was set at work once to open a cask of Clark's hollow ware, placed on the fourth floor. The case when headed up was just about as tall as I was. All alone I went to work at it, and to reach the bottom tier of saucepans I was compelled to get inside of the cask and from thence throw them out. It was getting late, and I was getting tired. In closing the store, I was not missed. In fact, I did not miss myself, for the first I knew it was morning,

and never since have I enjoyed a sweeter sleep than I did that night, inside of that big English cask.

James' blunt screws was another "job" we were called upon to repaper, for fully 25 per cent. of an importation of them were in need of it. How different at the present day. Hardly an article that I have mentioned is now imported, all made in "God's country," made better, done up in better shape, and exported in large quantities. Who would think of importing James' blunt screws to place alongside of the production of the American Screw Co., foreign files alongside of our own "Nicholsons," or Spear and Jackson hand saws, when he can obtain the incomparable "Disstons." I would here say to my friend "Sam" Disston (who, bye the bye, is getting along in years himself, but still retains his pleasant smile) that I recollect his uncle Henry very well. Mr. Henry Disston would call upon the trade about twice a year, interview our gentlemanly buyer, and endeavor to "work in" some of Disston's saws. Our good natured buyer would generally tell Mr. Disston that our customers wanted Spear & Jackson's goods, or Taylor's, or Beardshaw's, whereupon Mr. Disston would quickly grab his small sample case in his hand, say "Good day," and also, "The time will come when they will want Disston's." Henry Disston was right, and told the truth then as he always did. We export these goods now to every clime, and the last time I was in London (England), I saw Disston's goods in the window of an ironmonger. Ironmonger is what our English cousins style a Hardware dealer. Another article that in my younger days was largely imported, was iron squares. But George Briggs introduced American steel squares and knocked the foreigners out in short order. Some of "Brades'" trowels are still imported, but "Rose," of Philadelphia, has the call from first-class mechanics the world over.

In my early days I took a great penchant to run to fires, and when the "old post office bell" rang out the alarm, if there was any way in the world for me to get off, I took advantage of it, and many are the times I have been scolded by the head salesman for so doing. But the "head of the firm" never censured me, and I will say in all candor that if I was away for an hour I always worked twice as hard upon my return. Who can blame me for taking an interest in the old Volunteer Fire Department, when such old and honorable Hardware merchants as the following "run wid der merchine." There was Adam W. Spies, president of the Stuyvesant Insurance Co., and a member of No. 5 Engine Co.; Robert Thompson, another Hardware merchant, and William H. Smith, of the firm of Henry Young & Co., both members of Engine 5; Warren Bliven, a member of Engine Co. No. 42. Van Nostrand, who kept a Hardware store, corner of Beekman and Pearl streets, was also a member of the Department. I was present at the Hague Street explosion, in February, 1850, about 10 minutes after it occurred, being on my way to open the store at 179 Pearl Street, where I was then employed.

The method of doing business in those days was quite different from the present. We then had our Spring and Fall seasons, when customers would lay in a six months' stock, buying on four, six and even eight months' time, giving their notes for the same, and the banks then would cheerfully take such notes, as collateral security for discounts. How a bank president of the present day, would look at a customer offering such paper. He would be put down as

"non compos." Most of our buyers kept general stores, and were not classified or restricted to one class of goods, as at the present, and a strictly retail Hardware store was comparatively unknown. Country merchants dealt in dry as well as wet goods, sold pork and peanuts, Hardware as well as hats and shoes.

Greenways, Henry & Smith, Don Alonzo Cushman, and Grant & Barton were among the heaviest dry goods jobbers: Wolfe & Gillespie, Wolfe & Bishop, and Ingoldsby & Halstead in Hardware; B. M. & E. A. Whitlock & Co., Strang, Murray & Co. and Hotchkiss, Fenner & Bennett in groceries. I forget many others, but must not omit to mention the genial "Bob" Hyslop, of the firm of Hyslop Bros., Hardware merchants, then in Pearl Street, opposite Cedar. Mr. Robert Hyslop complained to my employer about the boys in his store; said he could not get any one of them to do what they were told to do, without asking "a why or a wherefore." My boss told him he had a boy that would do precisely as he was told, even to throwing goods out of the door, if ordered so to do, and would ask no questions. "Bob" said he would "go a dinner" on that, one of the best that Clark & Brown could produce. Innocent youth that I was, of course overheard this conversation, and determined that my employer should win that bet, even if it cost me my life; but they must "question my integrity never." So when ordered to throw a three dozen package of Wostenholm's pocket knives out of the door on Pearl Street, I obeyed with alacrity, taking particular care to throw it in a puddle of water, and returned within the store as demurely as though the incident were an ordinary occurrence. I was then ordered to pick the package up, and strip the outside papers off, which I promptly did, and the inside packages were none the worse for their bath. I have never forgotten this little incident, and have always acted upon the principle of obeying orders. I recommend to the young men of the present day to do likewise. My employer complimented me for my promptness in carrying out his command, and while I advise my young friends, as above, let me say to employers,

"Spare not thy hand when approbation giving, Nor hold thy tongue till life away has sped: A single word of praise unto the living Is worth a panegyric on the dead."

JAMES E. HALSEY.

New Attractions For 1902.

A very useful and attractive novelty for the new year is the "Perfect" Mucilage Bottle just placed on the market by Cushman & Denison, of 240 West Twenty-third Street, New York. This is an article that is almost a necessity for every one using a desk. It is shaped like the ordinary mucilage bottle, but has a compartment containing water. The evaporation of the water prevents the mucilage thickening or spoiling so that it is always ready for use when wanted. The bottle is made of aluminum and practically indestructible, so that although its first cost is 50 cents, its durability and its economy of mucilage alone make it a cheap investment. When the saving of time and trouble, in having the mucilage always ready, is considered, a busy man cannot afford to be without a "Perfect" Mucilage Bottle.

Another novelty is called the "Perfect" Sealer and Stapler. This is a small device for securely fastening an envelope with a metal seal. The seal securely fastens the flap of the envelope to the body without injuring the contents or enclosures in any way. It can also be used as a stapler to fasten papers together. As it costs but \$1 with a box of 100 seals, it will not only serve a double purpose but at a lower cost than the ordinary stapling machine. Send a postal card to Cushman & Denison for a fuller description of these and other timesaving devices, and also ask about a special offer they are making to enable business men to become acquainted with the merit of their goods.

Gas Stove Trust is Formed.

JANUARY 10, 1902.

O. P. Moon, manager of the National Vapor Stove and Mfg. Co., announced recently that the "combine" of the gasoline and gas stove companies had at last been effected and the new organization would be known as the American Stove Company.

Although the combination has been settled, yet the organization is far from being complete. Some plants will be closed down, but the last one to be shut down will be the one in Cleveland, as it is the most complete in the "combine," the best equipped, and is operated at a lower cost. Besides these facts the company has the two best stoves, the direct action gas stoves and the insurance gasoline stove. The manufacture of these stoves will be continued, and the "combine" will probably enlarge the plant as needed and not only retain the men now employed, but send men here who are experienced.

The companies in the "combine" are: The Ringen Stove Co., the Quick Meal Stove Co., the Twin Burner Stove Co., of St. Louis; George M. Clark & Co., of Chicago; the Monarch Vapor Stove Co., of Mansfield; Schneider & Trenkamp, the Dangler Stove and Mfg. Co., the Standard Lighting Co., of Cleveland, and the National Vapor Stove and Mfg. Co., of Lorain. The company has filed papers of incorporation in New Jersey, with a capital stock of \$125,000. The incorporators are Clifford W. Perkins, A. S. Meeker, and K. K. McLaren.

The Lake Erie Specialty Mfg. Co.

The Lake Erie Specialty Mfg. Co., Geneva, Ohio, has lately been organized under the laws of that State. The following are the officers of the concern: T. H. Russell, president; E. M. Converse, vice-president; V. L. Atkins, secretary; C. I. Chamberlain, treasurer, and J. H. Lyons, superintendent. The company will manufacture a line of Plumbers' Brass Goods, which will include Lyons' Special Patented Goods. At present they are ready to quote prices on and supply promptly Fuller Bath Cocks, Fuller Basin Cocks, Stop and Waste Cocks, Still Cocks and compression work of all kinds. As fast as competent men can be secured and more machinery can be installed, they will increase the line on this class of goods, and bathroom fixtures in general, so as to make it as complete as any in the industry. We are advised that the company have a well equipped plant and intend producing a superior line of goods, the enterprise being amply financed, and the business managed by experienced men.

Splitting up Cycle Trust.

Another step in separating the various branches of the American Bicycle Co. under new companies was completed recently, when papers were taken out in New Jersey incorporating the American Bicycle Mfg. Co. and the International Motor Car Co. The formation of these two companies practically makes the original American Bicycle Company a stockholding company, for nearly all its assets are now owned by subsidiary companies.

It was stated in official quarters that the new American Bicycle Mfg. Co., which is capitalized at \$8,000,000, will operate and own all the bicycle plants of the old New Jersey corporation. The International Motor Car Co. will manage the automobile branch of the Bicycle Trust, a branch which has become an important part of its business. The capital of this company is \$2,000,000.

As was the case in the formation of the other companies' operating departments, the stocks and securities are owned by the American Bicycle Company. In each company the Board of Directors is as follows: Joseph E. Bromley, R. Lindsay Coleman, George Pope, Theodore E. Merseles and Paul Walton. All are American Bicycle Co. directors excepting the last named, who is a Jersey City man. George Pope was elected president of the motor company, and J. E. Bromley president of the bicycle company.





"THE FINEST HARDWARE STORE IN THE WORLD."



Warren's Cime Saving Patent







Sectional Cabinet Shelving

Make Your Goods Sell Themselves with Shelving that Doubles Your Popularity, Value of Clerks and Capital.

Write us, we can tell you how.



Photographic Reproduction - Entire Equipment made by our Company, in Eight Feet Sections. Retail Room, 225 ft. deep, 55 ft. wide, 19 ft. ceiling.

Expert Designers of Hardware Shelving and Correct Arrange-ment of Stock.

MASONIC TEMPLE Fifth Floor-Offices and Display Rooms.



Combinations to suit any Store, Person or Purse. * * * * *



Shipped Safely to all Parts of the World, at Reasonable Rates.



Our Latest "CHAMPION"
Production of Double Flue Hot Blast

TEEL RANGES.



Guaranteed to Give Satisfaction with Any Kind of Fuel.

They are Finished in Japan, Polished Steel or Russia Iron.

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> Cleveland, Ohio.

We are represented by the Following Houses:

Lee-Glass-Andreesen Hdw. Co., Omaha, Neb. James Graham & Son, San Francisco, Cal. Kettlesen & Dege Michigan Distributing Co., Lansing, Mich. Moore-Handley H Corbett, Failing & Robertson, Portland, Ore.

J. M. Litchfield. Kettlesen & Degetan, Moore-Handley Hdw. Co., Birmingham, Ala.

New York, N. Y. Chihuahua, Mex.

Chicago, III. Chicago, III.

Richards & Conover Hdw. Co., Kansas City. Chicago Stove & Range Co., Jacob Retterer, Palmer Hdw. Co., Savannah, Ga.

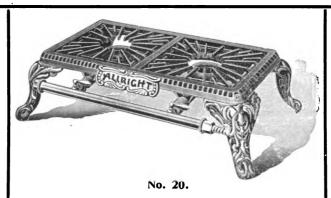
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A COMPLETE LINE OF PERFECT HOT PLATES FOR 1902.

Gas Savers.

No clogging of burners.

Easy to keep burners clean.



They are of good height.

> Tops large and roomy.

Baking can be done to perfection with the ALLRIGHT Giant Burner.

ALLRIGHT LAWN SPRINKLER, best, simplest and most durable on the market. Will cover 1000 feet of lawn.

> ALLRIGHT MAIL BOXES. There are none better.

Allright Mfg. Co., 129 Viaduct, Cleveland, O.



A Reputation for Delicious Dishes

makes an invitation to dinner doubly welcome. The dessert is very important. Nothing is more palatable in summer than delicious homemade ice creams and ices. The expense is only the cost of the materials, the labor not as great as in preparing a cake or pudding if you use a

Peerless Iceland Freezer (One Motion)

Three minutes is the freezing time—an advantage any time, but fine for emergencies. Patented stationary dasher is responsible for quick freezing. Scrapers hug sides of can and do away with all motions except one. Write for booklet "Ice Cream Secrets" for those who know and those who don't. Gives many new recipes, as well as the good old stand-bys, all easy to make.

To Remove all Doubt: If you've never made ice cream at home, or if you have had enough experience with another freezer, get a Peerless Iceland from your dealer, take it home, and if not perfectly pleased, return it, and dealer mill refund your money. If your dealer hasn't it, he can get it; or write us and we will see that you are supplied. Be sure and get a Peerless Iceland. Easily recognized from above photograph; notice label.

DANA & CO., Dept A, Cincinnati, Ohio.

The Peerless Ice Chipper chips the ice properly, saves ice, saves time, saves your temper.

This Ad.

is one of a series that will appear in all the leading magazines and ladies' papers this Spring and Summer.

Do you think it big enough to be seen?

All of your women customers take one or more of these publications.

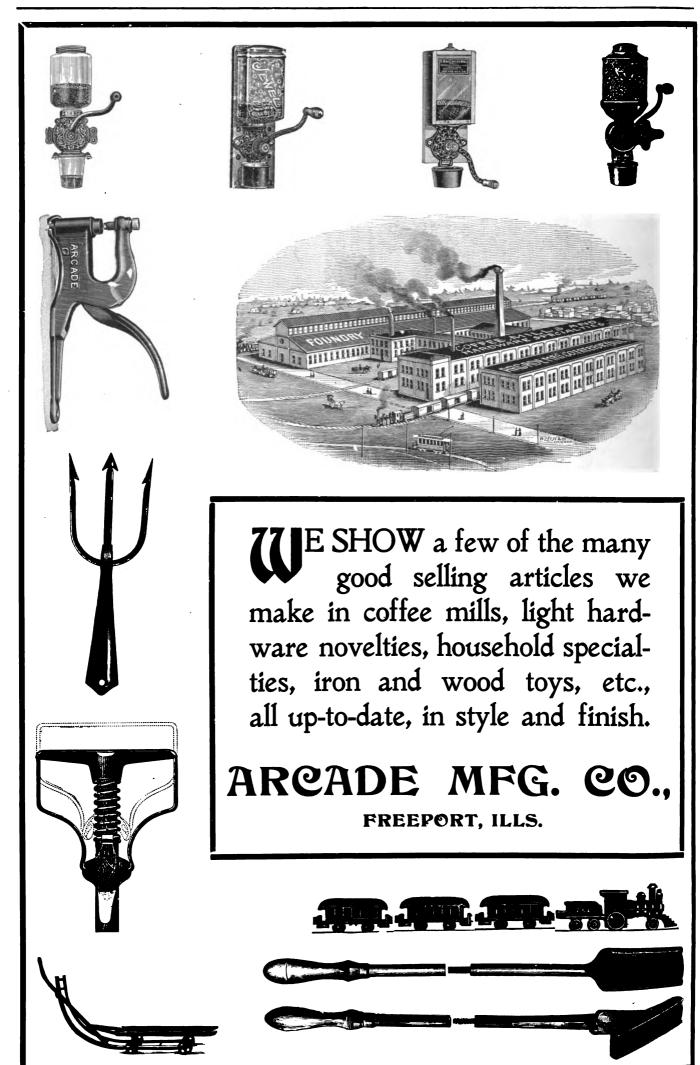
Don't you want to have your store identified with the very best advertising?

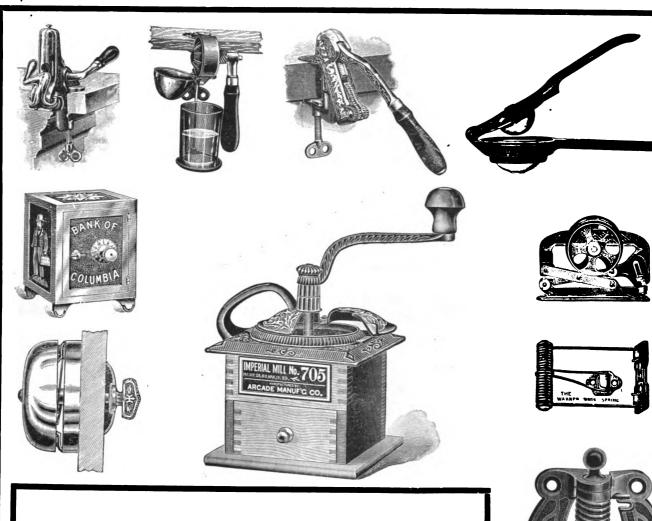
Order Peerless Iceland Freezers and Peerless Ice Chippers from your jobber early so that he can put you in touch with our advertising department. If yours doesn't handle them, see one who does, or write us and we will see that you are supplied.

New York: 10 Warren St.

DANA & CO., Cincinnati.

San Francisco: 105 Front St.

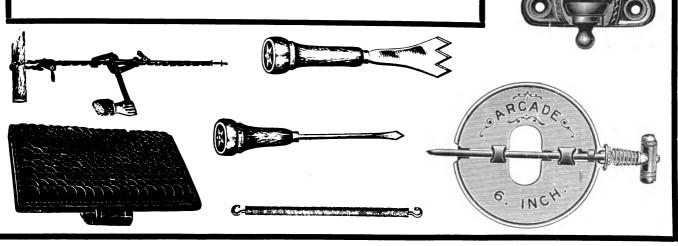




RINDLY remember us when placing your orders for 1902. We can give you good service. Send for catalog and prices.

ARCADE MFG. CO.,

FREEPORT, ILLS.



HERE IS ANOTHER TRADE WINNER FROM THE NATIONAL FACTORY.

It is with such Goods as these that Profits are made.



THIS is an Automatic lift drop head stand with an easy and absolutely positive action, accomplished with mechanism of extreme simplicity. The design of the woodwork is new, classic, elegant, artistically executed and wholly in harmony with modern patterns of high class household furniture.

Nothing at all approaching the artistic excellence of this stand has ever before been associated with a sewing machine, and in quality of material, workmanship and finish it is technically of the highest class and cannot be surpassed.

IT IS WITH SUCH GOODS AS THESE THAT THE LIVE DEALER CAN WIN AND HOLD TRADE; THEY ARE BEYOND THE REACH OF COMPETITION.

CORRESPONDENCE SOLICITED.

National Sewing Machine Company BELVIDERE * ILLINOIS

NEW YORK, 93 Reade St.

CHICAGO, 49 Jackson Boul.

SAN FRANCISCO, Hearst Bldg.



CHANGAN CHANGA

RECENT TRADE PUBLICATIONS.

Wisconsin Wheel Works, Racine Junction, Wis. Catalogue No. 9 of the Mitchell Bicycles and Motorcycles manufactured by this plant. Small size catalogue, oblong in form, of 24 pages, devoted to the exploiting of the Mitchell Motorcycle and Mitchell Bicycles as well. Full descriptions are given of every part connected with these desirable specialties which is demanded by those handling the same. They also issue a vest-pocket booklet on the Mitchell Motorcycle, giving directions for operating the same, illustrations of the various parts, and interspersed with good advice worthy of being read and carefully considered by all those handling motorcycles.

IDEAL Mrg. Co., Detroit, Mich. Booklet devoted to "Facts About the Volumeter Worth Knowing," having reference to the special product of this concern, and filled with information that makes it a very useful pamphlet to have around, at the same time inspiring one with the belief that it is one of the most important appliances to be part and parcel of the open-tank system of architectural development.

Sterling White Light Gas Lamp Co., 405 Locust Street, Sterling, Ill. 20-page booklet catalogue, in which is illustrated and described the Incandescent Vapor Gas Lamp manufactured by this company in a large variety of styles, suitable for all the possible wants of the trade, whether for domestic or store use. The pamphlet is fully illustrated, list prices being given in every instance, the entire catalogue being subject to discount. Full description is given of the details of construction, methods of manufacturing and details of cost as regards the expense of running this description of light.

SEARCH LIGHT MFG. Co., 175 E. Division Street, Chicago, Ill. Booklet catalogue of 12 pages, illustrating and describing to the fullest extent the Search Light Vapor Lamp, which is manufactured by this company. It is shown in a number of varieties of attractive styles from the single light to the three and four light chandelier, indicating a popular line of gasoline lamps suitable for the demand now prevailing.

SNELL Mfg. Co., Fiskdale, Mass., John H. Graham & Co., 113 Chambers Street, New York, Selling Agents. Illustrated catalogue and price list of 32 pages, printed on excellent paper, fully illustrated, with list prices complete. In its contents will be found all the known products of this company, including Carpenters' Augers and Bits, Ship Augers and Bits, Boring Machines and Carpenters' Tools. The Snell Mfg. Co. is one of the oldest concerns in the industry, and their name on a tool is always an indication of the best quality. They still retain the confidence of the trade, and this to our recollection is the most ambitious catalogue they have ever issued. It should largely increase the sale of their goods, and every Hardware dealer should be in possession of a copy.

MILLER LOCK Co., Frankford, Philadelphia. 38-page catalogue, which is called their Export Edition No. 17, in which full-size and miniature cuts are given of their entire product in the way of locks, together with sufficient description, catalogue numbers and everything complete except list prices. The weight for export purposes is given; also the weight in gross pounds of case lots of 25 dozen each. A very useful catalogue for the export trade.

LAWRENCE MFG. Co., Toledo, Ohio. Booklet catalogue of 26 pages of Dairy Supplies and other specialties of that character, including in its contents Star Cream Separators, Dairy Pails, Strainer Pails, Sap Buckets, Cream Can Setters, Swing Churns, Barrel Churns and Butter Workers. It includes a large variety of Milk Cans, running all the way from the four-quart size to the usual and customary 10-gallon size. This concern manufactures a full line of dairy supplies that would make this catalogue of importance to those handling the same.

Leader Mfg. Co., Hartford, Conn. Pamphlet catalogue, oblong in shape, 64 pages, showing a large line of specialties in Housefurnishings and other lines manufactured by this incorporated company, who also represent several other manufacturers whose specialties are embodied in the same catalogue. The catalogue is filled to repletion with desirable goods for every Hardware store in the country, and the dealer who has not already had one forwarded to him should request the same.

GRAND RAPIDS REFRIGERATOR Co., Grand Rapids, Mich., manufacturers of the Leonard Cleanable and Champion line of refrigerators, have recently issued their catalogue for the season of 1902. It contains 116 pages and almost as many elegant half-tone illustrations of their entire line, which is one of the largest manufactured in the country. The paper upon which this catalogue is printed is of high grade enamel coated, and on this the half-tone cuts are handsomely printed. A complete description of each style of refrigerator is fully and explicitly given, together with the weight and size of same. These refrigerators contain many points of excellence and merit, which is evident from the enormous sales of them that have been made in the past few years. Only recently this firm have found it necessary to erect another large factory building, 100 x 100 feet square, seven stories high, giving them an additional floor space of 80,000 square feet, and which, in addition to their old plant, gives them a total floor space of 205,000 square feet. Having this immense capacity the firm is enabled to manufacture great quantities of refrigerators ahead, enabling them to fill orders for the coming season on short notice.

In regard to the Leonard cleanable refrigerator, they say:

"We have made a complete departure from the ordinary style of ornamentation of refrigerators. We now depend entirely upon the natural beauty of quarter sawed oak, surrounded by a deep frame work of beaded moulding in all the front panels. This is more in keeping with the present style of high grade furniture and it is appreciated by buyers of refrigerators as a gem of the cabinetmaker's art. The finish is golden oak. Our new sliding adjustable shelves can be placed at any height desired without the aid of tools, by simply changing the guide strip on which the shelves slide from one slot to another. We are continuing the use of all our special features, such as the air-tight lock, the self-cleaning trap, the moveable flues for cleanliness, and the eight walls for insulation with mineral wool filling. We line these refrigerators either with zinc or real porcelain enamel. This is not white paint on galvanized iron, as used by some manufacturers, but the real vitreous porcelain on sheet steel, same as the blue and white kitchenware with which all are so familiar. The difference between this material and paint is vital to the durability and cleanliness of the refrigerator."



NEW GOODS AND SPECIALTIES.

Sanitary Dustless Floor Brush.

Milwaukee Dustless Brush Co., Milwaukee, Wis., are placing on the market through the Hardware and housefurnishing goods trade particularly, something entirely new in the way of a dust brush which possesses characteristics novel in conception that should give it a large and extended sale throughout the country. We give an illustration of this new brush herewith. It is constructed with a reservoir in its back which holds kerosene oil, from which one row of special fibre draws the oil down just fast enough to deaden the dust, roll it up into little balls and make it lie on the floor. The kerosene will feed just fast enough to accomplish this. There is an arrangement on the brush by which you can regulate the feed of the oil to meet the condition of your

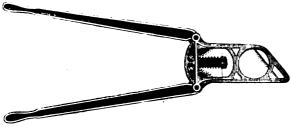


SANITARY DUSTLESS BRUSH.

floor. It is claimed that no fear need be entertained that the kerosene when used through the brush will leave the slightest stain or odor on the floor. These brushes are made in various sizes and styles for the purpose of sweeping offices, stores, halls, schools and public buildings. The company also make a brush on the same principle out of genuine Russia bristle. This bristle brush, however, is only to be used on hard wood, tile or other hard surfaces, and is sold with a guarantee, which should greatly increase its sale. It has been found that the Milwaukee Dustless Brush reduces the dust caused by sweeping upwards of 97 per cent. as compared with old methods. This is made the subject of an extended report of the Health Department of the City of Milwaukee, which the manufacturers will gladly mail upon request, a report which emphasizes the value of kerosene as a dust layer, and would give convincing proof of its importance and value for the purpose indicated.

Newton & McGee Patent Dehorners.

H. H. Brown Mfg. Co., Decatur, Ill., are placing on the market through the Hardware trade the improved Dehorner manufactured under the Newton & McGce patent, of which they are the sole manufacturers. It is claimed to be



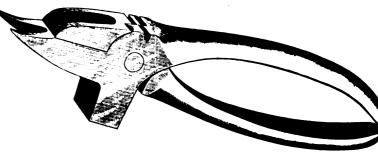
PATENT DEHORNER.

the latest improved Dehorner, and possesses one-third more power than any old style Dehorner previously made. As will be noticed in the illustration herewith, this new Dehorner has longer handles, has no rivets in the frame, and the blade is made upon an improved plan. It is claimed to cut perfectly smooth, heals very quickly, and causes the animal very little pain. The frames are made of malleable iron, and the blades of the best steel. It is made in four

styles of knives: No. 1, Calf Knife, intended for calves only, has a two-inch opening; No. 1, Revolving Cut, has a 3½ inch opening; No. 2, Draw Cut, for medium aged cattle, has a 3½-inch opening, and No. 3, intended for either old or young cattle, has a 4¼-inch opening. It is made interchangeable, so that extra parts may be at any time provided at a moderate cost. The knives are guaranteed, so that any break from a flaw or other defect, will be replaced without any expense to the purchaser.

Sterling Fence Tool.

Among the numerous specialties manufactured by the Sterling Wrench Co., Rockford, Ill., that meet with a ready sale in the stock of the Hardware dealer, the Sterling Fence



STERLING FENCE TOOL.

Tool is one that presents many features of utility. We give an illustration of this handy tool herewith. This Fence Tool may also be called a staple puller. It is especially effective in the building of barb wire fence. With it the operator can pull a staple without effort, cut his wire and drive his staple again. At the same time the operator has in his possession a strong and very effective pair of pliers, which will enable him to make a perfect splice. It is a good, strong, desirable tool, made of the best grade of cast steel, and oil tempered. It has met with a ready sale wherever introduced, and should be in every Hardware store handling barb wire fencing and the appliances with which it is constructed. It is made in one size only, the tool weighing about two pounds.

Tower Picture Adjuster.

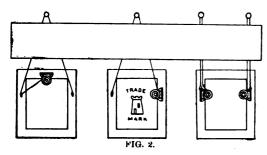
Grand Rapids Brass Co., Grand Rapids, Mich., are introducing through the Hardware and housefurnishing goods trade something entirely new in the way of a picture frame



FIG 1.

adjuster, which we illustrate in this article. This device is adapted to be secured to the back of picture frames. In the illustrations we give several methods of using the Adjuster. The cord can be shortened or lengthened by lifting the thumb piece, and simply turning the reel or ratchet. By the use of this simple method, the necessity for the cutting of

the cord that may be a trifle too long is done away with. It will also facilitate the hanging of the picture in a proper manner. In use the wire cord is put through a hole in the



reel and knotted. For very small, light frames the Adjuster is put at the top. On extra heavy pictures it would be more desirable to use two Adjusters, one on each side, by which method they can be regularly suspended by a vertical adjustment of the cord.

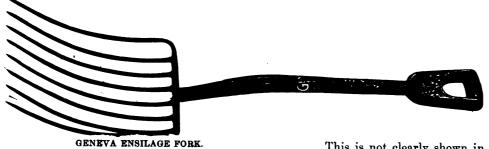
"Geneva" Ensilage Fork.

Geneva Tool Co., Geneva, Ohio, are placing upon the market a new article that will doubtless meet with an extended sale. It is their new Ensilage Fork, No. EOSD. It is manufactured from the best quality of steel adapted for the purpose, and before adopting the fork as part of their

handles are of a square pattern, finished at the end. The blades are referred to as hand made, being hammered from bars of the best grade of imported cast steel, and are claimed to be hardened and tempered with as much care as is used in the tempering of the best razors. The manufacturers state that this process of manufacture enables them to guarantee every blade to be perfectly satisfactory. The knives are made with blades from 5 to 16 inches by ½ inch. The company also make many other styles of butcher and kitchen knives, as well as paring, putty and bread knives and spatulas.

Phillips' Screen Doors.

A. J. Phillips Co., Fenton, Mich., have added to the large number of patterns of Screen Doors, with the manufacture of which they have been identified for so long a period, a number of new and desirable styles suitable for the coming season. They are extremely modern in style and equipment. We present herewith two illustrations that will convey some idea of their beauty of design and style of finish. The style "XY" (Fig. 1) is made from pine, natural finish, having two coats of varnish. Twenty artistic beechwood spindles are used at the top and centre of the door, as will be noticed in the illustration. The scroll work is extremely modest in character, and harmonizes very nicely with the turned work. In each of the corner brackets is a beaded ball of beechwood.



regular line, a number of special designs were submitted to prominent farmers in different sections of the country in order to obtain what would be considered a most desirable article for the purpose in point of style, shape, width, capacity, etc. Universal approval was given to the style finally adopted, an illustration of which we present herewith. It was decided that this fork was "just right," having the correct hang, the proper width, and provided with ample capacity for its use. It is manufactured with wood D handles, as will be noticed in the illustration, strap ferrules; the tines are polished, the upper portion being given a blue finish. The fork is provided with eight tines, each of which is 15 inches long, and the width at the points is 131/2 inches. This conveys an excellent idea of its suitablity in the way of capacity for the transferring of ensilage. There is no doubt but what it will meet with an extended sale, as it is an article that has been required by the agriculturist for a long Samples will be furnished upon request. They are marketed at a list price of \$24 per dozen.

Hartzell Skinning Knives.

Emmert Hartzell Cutlery Co., Gettysburg, Pa., are manufacturing a complete line of skinning knives, one of which is shown in the accompanying cut. A notable feature of



HARTZELL SKINNING KNIFE.

these knives is a broader blade than ordinary all the way through and particularly near the point. This feature is represented as permitting a longer cut to be given with the same stroke than with knives having narrower blades. The This is not clearly shown in the cut, but is quite attractive in reality, the pattern of the door being a very pleasing one. The style "Z" (Fig. 2) is similar in construction, the lower half being filled with double "fans" of beechwood rods, which





FIG 1.

FIG. 2.

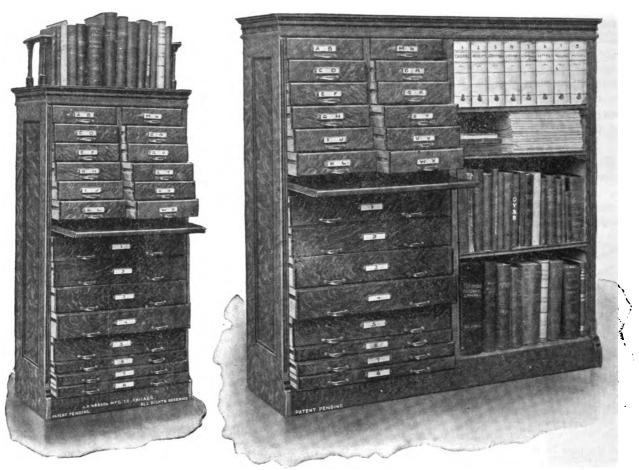
radiate from a fine beechwood rosette, in which the rods are glued. The wire cloth in the lower half of the door is well protected. These doors are made for the Eastern trade seven-eighths inch thick, with four-inch stiles. For the Western trade they are made 1½ inch thick, with three-inch stiles, and are sold by all the principal jobbers throughout the country.

Warren's Catalogue Cabinets.

The J. D. Warren Mfg. Co., Masonic Temple, Chicago, have just completed two designs of Catalogue Cabinets which appeal to every Hardware dealer in the country, as many merchants are desirous of saving all valuable printed matter that reaches them, and which they frequently discard for want of a suitable place in which to keep it for immediate reference. Few dealers but would be glad to commence the new year with the advantages given by a cabinet so cleverly

half common. The present earnings are given at \$375,000 per annum, while large economies are expected to be effected. The estimate is \$100,000. The company appears to be very conservatively organized. The details of the consolidation will be closed up in New York this week. Following is the list of the companies included in the combination:

Standard Pneumatic Tool Company of Chicago, including all foreign or domestic patents (excepting England) and their two manufacturing plants at Aurora, Ill.



WARREN'S CATALOGUE CABINETS

constructed. In their circular they note its many conveniences, and say: "In the study of design and arrangement of these Cabinets, an incident occurred that greatly aided us through a call at another office desiring a cabinet that would relieve the desk, its top, its writing space, its drawers, the office table, the shelves and the floor from a variety of miscellaneous printed matter, circulars, price lists, periodicals, catalogues, letter heads, envelopes, and stationery of all descriptions, electrotypes, small samples, etc., a cabinet to be so constructed that there would be suitable space for all, each separate, so that any information can be quickly obtained or article found. Everything was "corraled," separated into bunches and correct space allotted to each. The result was a cabinet originated from actual necessity, forming one that responds in a most practical way to the daily demands for information through its variety of arrangement, thus making it desirable for every office. The service it renders will reimburse the investment in a short time, virtually making the purchase a loan for a brief period."

Pneumatic Tool Companies Combine.

Plans have been completed, says the Chicago Inter-Ocean, for the consolidation of 85 per cent. of the pneumatic drill business and 70 per cent. of the pneumatic power business throughout the world, the consolidation being worked from the United States. One of the principal companies is the Standard Pneumatic Tool Company of Chicago.

The company will be capitalized for \$5,000,000, one-half of which will be 7 per cent. cumulative preferred and oneThe International Pneumatic Tool Company, Limited, of London, England. Including English patents and their works at Chippenham, Wiltshire, England.

Philadelphia Pneumatic Tool Company of Philadelphia, Pa. Including all foreign and domestic patents and their works at Philadelphia, Pa.

Standard Railway Equipment Company, St. Louis, Mo. Including all foreign and domestic patents and their manufacturing plant at St. Louis, Mo.

Our Farming Implements in Russia.

The sale of American agricultural machines and implements during 1901 was the largest on record in the Russian empire, according to the annual report of United States Consul Heenan at Odessa, which will be published in full in the volume entitled "Commercial Relations for 1901," issued by the State Department. Mr. Heenan says that the increased tariff exacted by Russia on certain American products in retaliation for the American tax on Russian sugar, had not up to the date of his report, November 9, made much impression on the imports of those articles, but he adds that it is probably too early to determine the effect of the Russian increased tariff.

Mr. Heenan says that such machines as harvesters, binders, mowers, reapers and horse rakes of American make are so well and so favorably known as to defy serious competition in Russia, but that, on the other hand, there are a number of other agricultural implements such as plows, drills, seeding machines, etc., of American make which are not to be found in the empire. These latter, he says, would find a ready sale in Russia if patience and energy were used in their presentation to the agriculturists of the empire.



REVIEW OF THE MARKETS.

Wire Nails: The low quotations so prevalent in the market at the time of our previous issue have been strengthened by the fact that few, if any, recent quotations indicate a weak market. Many orders are being placed at present prices for future delivery, and the largest buyers, it is thought, will soon be in the market with season specifications, as dealers' stocks are reported quite light, and stability in quotations is earnestly to be desired. Quotations that represent the present market are: Carload lots f. o. b. Pittsburgh, \$2.00 to \$2.05.

New York. The local market is extremely quiet, with quotations as follows: Small lots from store, \$2.25 to \$2.30. Carloads on dock, \$2.25.

Cut Nails: The demand is quite limited in character, the low price of Wire Nails undoubtedly affecting sales. Prices for December were reaffirmed for January. The market is represented by the following general quotations:

 Carload lots
 \$2.05

 Less than carloads
 2.10

F. o. b. Pitsburgh, plus the actual freight to point of destination, terms 60 days, or 2 per cent. off in 10 days.

New York. Cut Nails are only in limited demand. Agents for the mills have agreed to a price of \$2.25 for nails from store, which is being adhered to. Jobbers obtain the same prices in a regular way, with an occasional cut of 2 cents a keg. The following prices represent the market:

Barb Wire: While orders are coming forward, with a promise of a greater activity at an early date, slight concessions from established quotations are occasionally heard from on large specifications. The stocks at mill are understood to be quite light, and belief is held that a brisker demand will greatly strengthen the market. Quotations are as follows, representing the market: F. o. b. Pitsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers in	carload lots, H	ainted	\$2,60
44		alvanized	
"	less than carlo	ad lots. Painted	2.65
**	**	Galvani	zed 2.95
To retailers i	n carload lots,	Painted	2.70
**	"	Galvanized	3.00
"	less than carlo	ad lots, Painte	d 2.80
••			fred 210

Ellwood and Baker Wire is 5 cents, and Washburn & Moen Glidden is 10 cents per 100 pounds higher than the prices above named.

Plain Wire: A growing demand for Plain Wire is generally noticeable. It is fully as good as was anticipated, the manufacturers' requirements keeping the market in a satisfactory conditions. Regular quotations may be named as follows: F. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

То	jobbers in carload lots	\$2.25	\$2.65
	" less than carload lots		2.70
To	retailers in carlots	2.35	2.75
	" less than carload lots	2.45	2.85

The above prices are for the base numbers, 6 to 9. The other numbers of Plain and Galvanized Wire take the advances indicated in the following table:

	Plain Fen	ce wn	re Auve	ınces	(Cate	cn	wei	gnts)	
No	s.							Galva	anized.
- 6	to 9B	ase					:	\$0.40	extra.
10	\$	0.05 a		over					**
11		.10	44	**	٠٠.			.40	"
12	and 121/2	.25	**	**	".			.40	"
13		.25	**	**				.40	"
14		.25	44	••	٠٠ .	.		.40	**
15		.45	**	4.6	٠٠.			.75	**
16		.55	**	**	٠٠.			.75	**
17		.70	44	• •	٠٠.	. 		1.00	44
18		.85	**	• •	•• .			1.00	"

Horseshies: At a meeting of the associated horseshoe manufacturers on January 3, the price of all shoes was advanced 10 cents per keg. This makes the base price for Iron Horseshoes \$3.60 per keg, and of steel, \$3.35 per keg. To these prices freight from Pittsburgh to destination is added. In making this advance the manufacturers refer to the increased cost of coal, iron and steel during the past six months as justifying an advance of about 20 cents, but it was deemed advisable to be governed by a more conservative policy and make only the small advance referred to.

Copper and Brass: The market for the various manufactures of Copper and Brass has experienced some special reductions since the first of the year, in sympathy with the several declines in the quotations of Ingot Copper. Sheet Copper has declined 3 cents per pound, from 21 cents base to 18 cents, as at present. Sheet Brass and Brazed Tubes are each 5 per cent. lower, and Brass Wire and Rods 7½ per cent. lower, from the various lists at present governing these goods. Seamless Brass Tubes have declined 3 cents, but no change has as yet been made in Copper Rivets and Burrs.

Putnam Horse Nails: Putnam Nail Co., Neponset, Boston, Mass., in a circular relating to prices, January 1, announce that in deference to a demand from the trade they have determined to put up their regular Putnam Nail with a sharp point under the brand of Putnam Hot Forged and Sharp Pointed Nail. These goods will be made of the same iron and by the same process as the old reliable Putnam Nail, and will be packed in the regular Putnam boxes, with only the necessary change in the nomenclature to distinguish the Hammer Pointed from the Sharp Pointed Putnam Nail. Both styles of Nails are sold from the following list, which is subject to a discount of 33 1-3 per cent to jobbers:

No.	12 \$0.18	11 .18	10 .18	.19	.20	.21	.23
No.	5 \$0.26	41 <u>4</u> 35	4 50	3 1 00	2 2 00	1 3 00	

Neponset Sharp Pointed Horseshoe Nails are now quoted at a uniform price of 12 cents a pound, all sizes from 5 to 10, instead of being sold by list and discount as before. The above prices are subject to a cash discount of 2 per cent. if settlement is made on or before the 10th of each month for previous month's purchases. Freight will be allowed to points east of the Rocky Mountains in lots of eight boxes, f. o. b. to place of delivery, provided it does not exceed \$1 per 100 pounds from Boston or 70 cents from Chicago warehouse.

New Britain, Conn., The Stanley Rule and Level Co. and 107 Chambers Street New York, under date of January first have issued their new Price List No. 28, quoting revised discount on many of their goods. The list prices on Boxwood and Ivory Rules have been thoroughly revised, and an entirely new list has been adopted, with radical changes in the discounts. Boxwood Rules are now quoted at a base discount of 60 per cent. in place of 75 per cent. previously used. Changes have been made in list prices of Plumbs and Levels, Pocket Levels, T Bevels No. 25, Try Squares No. 20 and Planes. List prices on Wooden Plumbs and Levels have been revised, so that a base discount of 40 per cent replaces the old discount of 70 per cent. T Bevels and Try Squares in the revision are now quoted at 33 1-3 per cent., instead of 60 per cent. Many of the standard Bailey and Stanley Planes, both from wood and iron, have ben regrouped and new



prices made subject to base discounts of 20 and 25 per cent. in place of 50 per cent. given in previous price list. The company issue a condensed price list, giving the numbers and list prices of the various goods referred to in their illustrated price list shortly to be issued.

Cordage: The Rope market remains substantially without change. We continue the quotations named previously, which may be said to represent the market:

	Pounds. Cents.
Manila, 7-16 inch and larger	13
% inch	131/2
¼ inch and 5-16	
Sisal, 7-16 inch and larger	91/4
% inch	
$\frac{1}{4}$ inch and 5-16 inch	101/4
Lath Yarn, medium and coarse	
Jute Rope, No. 1	
No. 2	6

Linsced Oil: The following quotations are the latest announced by the Dean Linseed Oil Co.:

In lots of less than 5 barrels.....63 cents per gallon. In lots of 5 barrels or more......62 cents per gallon.

The five-barrel price applies only to deliveries of that quantity at one time.

Boiled Linseed Oil, 2 cents per gallon higher than Raw. Calcutta Oil, 85 cents per gallon.

THE CLEVELAND TRADE.

1902 opens favorably for manufacturers; for the first time for many years, they have few orders entered at low prices. One-half of the products of manufacturers are usually contracted for before January 1st, and for several years advance in price has made such contracts unprofitable. What contracts are entered at this year are largely at full prices, so that speculation is largely eliminated. The indications point to steady prices, and business can well afford to dispense with the gain of advances if it can be relieved from the loss of declines. It is expected that combinations can and will tend to avoid extremes.

The true test of business is success in normal terms. Recklessness often wins over business methods when it is favored with radical changes.

Whatever promotes and encourages compliance with the law of business is beneficent, for the law will assert itself sooner or later and the innocent will suffer with the guilty.

Prosperity among the manufacturers makes prosperity among the laborers, and this creates a demand, upon which mercantile, agricultural, and professional classes depend for business. When our balance of trade in the single year will buy the entire property of two such cities as Cleveland, the country seems to be on the way to wealth. We have, for a century been borrowers in Europe and have recently been beginning to pay our debts. When this is completed we shall become a creditor nation, and the demand for investments must largely increase. Our marvelous ability to absorb the immense amount of stocks that have been issued in the past

few years is surprising, and this expansion will continue so long as money is seeking investment. The inclination for better living is making necessities of luxuries, and vastly increasing expenses. What the wealthy once regarded as luxuries are fast becoming necessities among the intelligent laboring class. The surrender in large amounts by National Banks of their circulation should warn us of the danger of our present system. The Government, to relieve the money market, is paying a premium for its 2 per cent. bonds, thus decreasing the basis of circulation and inducing the banks to reduce it. The people, in this way, are paying a premium to reduce the circulation, and are at a large expense to pump from the spigot into the bung hole.

THE LOCKWOOD-TAYLOR HARDWARE CO.

THE PITTSBURGH TRADE.

The new year opens with business in a very satisfactory condition, and the first half of the year will equal or surpass any equal period in the iron and steel trade, so far as human foresight can tell anything of the future.

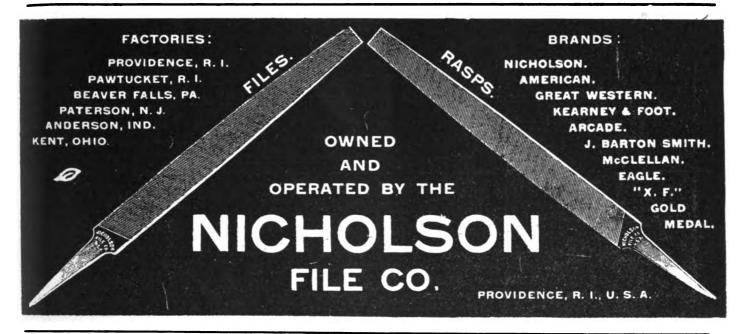
It would seem as though there is no good reason why the present prosperity should not continue indefinitely, but we know this has not been the history of the past, and although the strong combinations may be able to hold prices from soaring to the breaking point so rapidly, as of yore, yet we cannot hope that panics and consequent depressions have been entirely obliterated. The best we can hope for is that they will not be so violent nor so frequent as we have grown to expect.

The Logan-Gregg Hardware Co. celebrated their seventieth anniversary by their annual dinner to the employes, given Thursday evening, January 2. The entire force gathered in the first floor of the salesroom, which had been cleared of samples for the occasion; popular songs, an entertainment by a legerdemain artist, and addresses, filled up the time, with a very good history of the company's doings for the past year, written by one of "the boys," Good feeling prevailed.

LOGAN-GREGG HARDWARE Co.

THE BIRMINGHAM TRADE.

The year 1901 has passed into history, leaving behind a remarkable record, having been a year when all manufacturers of Iron and Steel products have reached their largest outputs. So large in fact that the railroads have experienced difficulty to provide transportation for the same and have for this reason retarded desired movements and curtailed the distribu-This no doubt will encourage the railroads to place large orders for locomotives and cars, and all the iron and steel works to prepare for larger outputs, which is a strong prophecy for the continued good business far into the new year, 1902, and when we finally reach the period when production overtakes and outruns home consumption, as we surely will, then we will be all the better prepared to compete in the outside markets of the world. Confining our remarks more particularly to our own district, we find the mines, furnaces, and mills all take to their capacity and are running full time with crowded order books. Our railroads find they need more locomotives and more rolling stock to handle the business offered them. Our bank clearings are larger than ever before, and the hardware trade and kindred lines are keeping pace with other things. We find the architects all busy, which means good work for the contractors and dealers in builders' supplies. We now have two nice office buildings under contract and further prospects of buildings that are up to date and in keeping with the general progress. The people who depend upon agriculture are somewhat disappointed in short crops and low price of cotton, while hay and corn which they are shipping in from the West are commanding high prices. There are some short pieces of railroads under contract, which help to keep up trade and demand for supplies in that line. We anticipate another active year, and hope we have several prosperous years still ahead of us. We are



glad to see that those prophets who predicted a quick return to low prices have been mistaken. The fact is that we have a new condition of things, so that the history of the past is not so good a guide as formerly.

We now have a sound system of finance with plenty of money and with confidence strong, and the large manufacturing interests are in fewer hands and under wiser management, who, no doubt, have a due regard for the public interest and will use every effort to hold down prices to a normal and profitable basis, and not discourage any new development which may be projected should prices become unreasonable. May Hardware be blest with a large portion of prosperity as our greatest of all countries advances to the lead of all nations.

Moore & Handley Hardware Co.

THE COLUMBUS TRADE.

The old year is out and the new year in. We hope no Hardware dealer is out, but all in, with a good balance on the profit side of the ledger. We also trust that everyone is feeling so well satisfied with the past three years' business as to make him anxious for the fray in 1902. One good thing to remember is, that no one can get all the business, and by cutting prices to the point where it will not make you any money is not good policy. The other fellow may meet your price and he may not. We have known dealers to advise customers to buy certain goods from their competitors, but caution them at the same time to come back for the rest of the items on the list and they would save them money, and it works, as a rule. Goods are in great demand, and every retailer in the country can make money if he is "on to his job." Unfortunately, there are some men in the mercantile business who should be doing something else. For instance, sawing wood. They are the fellows who demoralize prices. They have possibly been farmers. They see their home merchant raking in the shekels and think it is all profit, so they buy some one out at a long price and immediately begin to undersell their competitor. They have not figured on the cost of doing business, and after a few years the good farm they traded for the stock of goods has all been absorbed, or in other words "swiped." This very thing has happened in nearly every community. A man of this kind came to us to buy a stock order, half down and half when he made it. We asked him how much stock he wanted. He did not know. We wanted to put the notion out of his head and suggested \$1,000 (as \$500 was his pile). He thought that would do. We asked him how much he could sell in a year. He thought \$300. We then figured he might make 25 per cent. gross profit and had him put down the rent, taxes, insurance and living expenses. We told him he might be able to pay rent,

taxes and insurance, and, of course, he would live, but we would have to have cash for all the goods he bought from us. We did not sell him, but some one did. The man still lives and the party who sold him lives and waits.

On looking over last year's business there are many pleasant things to recall. Trade has been all we could ask for. Prices have not been demoralized more than is usual. There always have been and always will be leaders that are sold without profit. This is sad but true. We believe, however, that jobbers have been annoyed more the past year than ordinarily. It has been utterly impossible to get goods as fast as you could sell them. Even after shipment the transportation companies have been very slow in deliveries. Only in December one of the Trunk lines entering our city not only lost track of a car of nails, but for two days did not know where the train was. At least they so reported to us. We felt like singing the song, "He is a liar," because they can't lose a whole freight train in Ohio. There is no wilderness large enough except near Toledo, and this train came from the East. We hope manufacturers can supply the demand this year and railroad companies will lose no trains.

Orders are being placed freely for Spring goods, and the outlook is very encouraging. A prosperous year for all Hardware dealers is our wish.

THE SMITH BROS. HARDWARE Co.

THE DAVENPORT TRADE.

Robert Sickels, our worthy president, paid us his usual annual visit and has returned to New York. Wish he would make his visits quarterly. Market is unsettled in some staple lines, but many inquiries are coming in for car and mixed carloads of these goods. A few retail dealers are in town, but are buying sparingly, and are evidently here more to familiarize themselves with the new year prices than for laying in large stocks at present. December trade was good, and compared favorably with previous seasons. There is an effort being made to secure the repeal of the bankrupt law. If it cannot be repealed, it should at least be modified. There are no failures to report, and collections are fairly satisfactory. Much new building is promised, and indications are favorable for the Hardware as well as other lines of trade.

SICKELS, PRESTON & NUTTING Co.

Yeast-I just saw your wife in the other room.

Crimsonbeak—Talking?

"Yes; I heard her say, as I passed, that she had arrived at a conclusion."

"Well, she hasn't done anything of the sort. She's talking yet."—Yonkers Statesman.

STANLEY RULE & LEVEL CO.

NEW BRITAIN, CONN., U. S. A.

Improved Carpenters' Tools.

SOLD BY ALL HARDWARE DEALERS.

THE ST. PAUL TRADE.

With the advent of the new year, we look back over the last with pleasure in a business way, and feel that 1902 has in store as favorable prospects as the year just past. It seems to us that nothing can greatly disturb the market, and that our country, in its great prosperity, will consume as many, if not more, goods in this new year than in the one just gone.

C. W. HACKETT HARDWARE Co.

THE GRAPHITE TRADE.

There is very little new that we can say relative to the Graphite Trade. We are in the same position that we have been for many months back. In other words, we are doing our best to catch up with back orders, very many of which we have been obliged to carry over into the new year. We have bought considerable property, and have already begun to prepare for additions to several departments in our business. 1901 was a satisfactory year to us, and 1902 seems to promise equally well.

JOSEPH DIXON CRUCIBLE Co.

THE TOPEKA TRADE.

The business of the year 1901 is practically closed—the first year of the twentieth century will soon be ended.

Looking back over the twelve months, the writer for one, finds abundant reasons for gratitude and good will. No calamity has overtaken us as citizens of the State or Nation—our grains and live stock, our farm products of every sort, our lands and our labor, our skill and our industry, all have brought the most remunerative "prices" known for years.

Stability and confidence have been the features of trade, and certainly if you have conducted your affairs with business prudence you must have prospered.

Permit me to cordially assure you in behalf of my employers and myself that we rejoice with you. If you have prospered, we, too, have prospered with you.

The ethics of business are such in these days that the very fibre of business solidity is founded upon faith and mutually intimate relations of the most reciprocal character. It is well it is so—and the writer may be pardoned if he again renews his compact with his customers, in behalf of their interests as well as his employers, to steadily keep in mind this single purpose of faithfulness.

If one keeps faith with others, he will keep faith with himself

Entering upon the year 1902 I hope to retain for my employers and myself your confidence, your good will, and your valued patronage. The year just ended has been highly satisfactory, indeed, and for your generous favors, I heartily thank you.

With the compliments of the season, I beg to remain, cordially yours,

H. C. Rushmore.

Topeka, Kansas, December 27, 1901.

THE SAN FRANCISCO TRADE.

This second day of the new year finds the San Francisco trade in a jolly good humor, but too busy stock-taking, was the general remark, "to talk trade news and gossip before next week; in the meantime, however," remarked several representative Hardwaremen to your correspondent, "you may tell the editor of Hardware that we wish him and his paper and everybody connected with it, including both its advertisers and readers, as Happy a New Year as was 1901. And this, we take it, judged from a point of view based in our last year's experience, is a greeting kindly enough for anybody, unless they be swine-ishly inclined."

"Things on the Pacific Coast in the Hardware way are all right," remarked a jobber. "In making up the annual review report of American trade, as given out last week by Bradstreets, declaring 1901 to be 'a record breaker' among the five preceding years of commercial expansion enjoyed by the United States, the Pacific Coast was not found lacking in any particular to be counted in in making up this 'record breaking' record as applied to all America."

The address of Secretary Henry Gracey, of the California State Association of Retail Hardware Dealers, before the San Francisco and Oakland Retail Hardware Dealers' Association appears on another page.

INDUSTRIAL PRESS ASSOCIATION.

Primitive Farming Tools in Turkey.

The agricultural implements in use in Asiatic Turkey are practically identical with those employed in Biblical times. About the only modern apparatus is the fanning mill, introduced some years since by American missionaries. A somewhat rude, but effective, imitation of the American type is largely used. The operations of plowing, harrowing, cultivating, reaping, and thrashing are all performed with primitive appliances.

There is a marked demand for American tools, their strength and lightness recommending them above all competitors. The same remark applies to machinery in general.

Miss Budd—Is an amethyst supposed to be unlucky?

Mrs. Malaprop—Well, if he ain't he oughter be. Anybody that don't believe in God don't deserve to have any luck."—
Ex.



Address of Henry Gracey.

Owing to the unavoidable absence of President O. F. Sites, of the California State Retail Hardware Association from last month's second annual banquet of the San Francisco and Oakland Retail Hardware Association, the State society's secretary, Henry Gracey, was pressed into service without advance notice to respond to Mr. Sites' toast, "State Association Work," and on the spur of the moment, Mr. Gracey responded, winning generous applause with his off-hand speech, substantially as follows:

Mr. President and Fellow Hardwaremen:

The fifteenth of next February the California State Retail Hardware Association will be one year old. The object of this formation was and is to systematically district and organize the State into local associations of our fellow tradesmen, preparatory to becoming affiliated with the State body.

The State Executive Committee, up to the present time, has been untiring in an effort at organizing our brothers in the trade throughout California, circulars bearing upon the importance of organization and affiliation having, from time to time, been sent to every retail Hardware dealer. And it is a fact, to the great credit of the State Executive Committeemen, that they often neglected and at times left their business to canvass our vast commonwealth to interest retail Hardware dealers in the association work.

At the time of the organization of the State association there were but two local societies in our line representing the State, the Pacific Retail Hardware Association, with head-quarters at Marysville, and the San Francisco and Oakland Retail Hardware Association, their combined membership aggregating 98 dealers. To-day, after less than ten months' work, we have three additional local bodies, the Central Retail Hardware Association, with headquarters at Salinas; San Joaquin Valley Retail Hardware Association, with Fresno for headquarters, and Southern California Retail Hardware and Improvement Association, headquarters being at Los Angeles.

These five well-organized local bodies, built up within the limits of three districts of the State, have a membership of over four hundred retail Hardware dealers. And the good work of dividing the whole of our great State into districts and organizing in them the local retail Hardwaremen, is in active progression. I am pleased to be able to say that a majority of the most prominent dealers in the State belong to and are active in our association work.

The future hope for the existence and usefulness of the State organization depends upon our future acts and the impression these acts leave in the minds of our wavering brothers. And so, each one of the enthusiastic 400 now organized is feeling a sense of personal responsibility for the success of the work, and warming up to it with a desire to become acquainted, each with the other, and to devote much of the same zeal, industry and intelligence to the work as each one shows in his own home store business.

I know that we can all be relied upon to bring out of this association enterprise results that will convince the most skeptical that there is merit in the cause; that there is a great need in the retail Hardware ranks for a State organization of this kind, to be identified as a living portion of the greater power—the National Association.

I believe, gentlemen, we are of like opinion, that we now are face to face with new conditions, not too difficult to successfully meet and manage, however, if we will but become a unit. The manufacturers and jobbers are not only not unfriendly toward us, but on the contrary, very friendly. They realize our value and want our business. But the catalogue houses and department stores are more brisk than we have been, and have already put themselves in shape to do business broadly and for cash. We have been following old lines; they have marked out new ones.

The manufacturer and jobber want customers that will make them the most money in the shortest time, so it seems to me advisable at this time to consider the newest and improved methods which will tend to make us more valuable to our manufacturing and jobbing friends and thus naturally bring them over closer to our side, rather than adopt an aggressive course, now or at any time, unless so compelled to do. Who are the legitimate distributers of factory products; we do our business legitimately and on close margins. But all the people are not patronizing these great city department stores, and some who did have been cured.

While we feel the stings of their competition, we are assured that these houses are feeling our awakening, and the better we unite, and the quicker we put cash and sympathy with the National Association, the nearer we will get to the jobber and manufacturer, and the better will we be hated by the piratical catalogue houses and department stores.

The retail Hardware merchant who believes he can paddle his own conoe, just as he has always been doing or as his father did, will be apt to wake up to find the bottom ripped out of his canoe, and sink, as was reported McGinty did, "to the bottom of the sea." Our pressing need is this State organization, and the strongest one that can be formed, composed of men of the trade who can mix with intelligent freedom among their fellows, men who can answer our wavering brother's inquiry as to what has been and can be accomplished by organization.

If what I have said had been publicly uttered twelve years ago, it would have fallen on deaf ears, but now, midst our new conditions and the piratical competition that has brought about many changes, I see it in your faces and attention that you are hearing me with favor.

In conclusion, I will say that the jobbers are the retailers' natural friends. They have studied trade conditions closer and better than we have, and they are in closer touch with the manufacturer than we can hope to get. They realize that our business is more or less demoralized, and they know why it is so, for they frequently are in contact with the same competition and know the difficulties incident to the common enemy. I hope we may ever consider that we have no more loyal friends than our sort of fellows of the Hardware jobbing trade.

Business Methods in use in Russia.

The Germans are probably the only people who have a thorough knowledge of Russia in a business way, and they are said to suffer very few losses. Commercial agencies such as Dun's and Bradstreet's are not allowed in Russia. The Germans have a system of their own, and there are agencies in Berlin which can give the business rating of almost any firm in Russia. These agencies are said to receive quarterly returns regarding business houses in this country. It is not surprising, therefore, that the Germans should control so large a portion of the Russian trade.

The Germans have agents in the principal towns of Russia, and these agents subdivide large areas in the various provinces, and each subdivision has an agent who is responsible to the principal in the large towns. These agents in every instance speak German as well as Russian. In addition to this, travelers are sent at least twice each year from Germany to visit the various agents and to keep account of the business done. Goods are sold on long credit, and are, as a rule, amply secured. This system is the result of many years of careful study and observation on the part of official as well as business Germany. Our business men would do well to take the Germans and their methods in Russia as models.

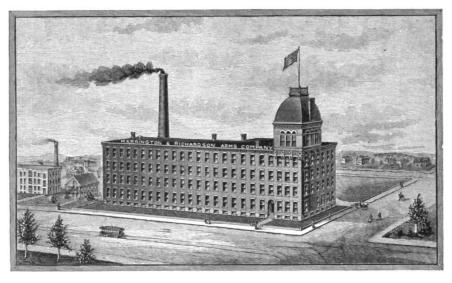
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Don't never trust a feller that's always suspectin' somebody else.

Growth of a Great Business.

F. Wesson and Gilbert H. Harrington, in 1871, started at 18 Manchester Street, Worcester, Mass., in a very small way to manufacture one style of a single action revolver fitted with a shell ejecting device invented and patented by Mr. Harrington. It is believed to have been the first successful device applied to revolvers for ejecting empty shells without removing the cylinder. Mr. Wesson's interest was bought out in 1874 by Mr. Harrington, who shortly afterward

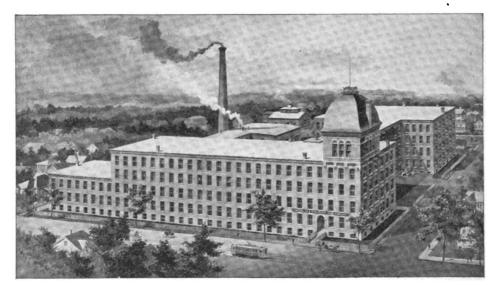
was at stake on each one. In 1893, the erection of the present main four story and basement factory building, at the corner of Park Avenue, Chandler and Abbott Streets, was begun, and it was completed in the Spring of the following year. It covered an area of 50 by 1800 feet, affording accommodations for the 250 men then employed. A two-story and basement addition, 50 by 60 feet, was built in 1900, and another addition, 50 by 90 feet in area, and four stories and basement in height, has just been completed. The



HARRINGTON & RICHARDSON ARMS CO'S FIRST FACTORY.

formed a partnership with William A. Richardson, under the firm name of Harrington & Richardson. The business was rapidly growing, and in 1876, it became necessary to move to more commodious quarters at 31 Hermon Street. Four years later, the firm became sole licensees to manufacture in the United States, under the double barrel hammerless shot guns, famous Anson & Deeley patents. These guns ranged in price from \$85 to \$300, and during the five years

present number of employes is over 500. Their catalogue now shows 157 separate and distinct revolvers besides autimatic and non-ejecting single guns in two gauges, with both steel and twist barrels. About January 1 they will also be able to supply these guns in 20 gauge. They manufacture what is without doubt the most complete line of fire arms on the market, and the great demand for their revolvers and and guns is proof of it.



PRESENT PLANT OF HARRINGTON & RICHARDSON ARMS CO.

they were manufactured, won an enviable reputation for durability, simplicity, accuracy and finish.

In 1888, the business was incorporated as the Harrington & Richardson Arms Co., since which time it has had a steady and healthy growth, due to the fact that the H. & R. revolvers are made with the same precision and accuracy in every part that would be required in constructing a fine watch, and hence have achieved a reputation that is the envy of all firearms manufacturers. It is a business built up on honor, and each revolver or gun manufactured by the company is made with the same care and the same regard to absolute safety as though the entire reputation of the company

HARDWARE PATENTS.

The following list of Patents, Trade Marks and Designs of interests to the Hardware trade are furnished by Davis & Davis, Solicitors of American and Foreign Patents, Washington, D. C., and St. Paul Building, New York City.

PATENTS EXPIRED DEC. 23, 1901.

309,533. Saw Tooth Swaging Device, J. E. Emerson, Beaver Falls, Pa.

309,551. Tin Seaming Machine, W. A. List, Wheeling, W. Va.

309,599. TRANSOM LIFTER, A. R. Brand, Philadelphia, Pa. 309,620. HAMMER DIE, J. Hausman, Newark, N. J.



309,630. TICKET PUNCH, R. J. Krautheim, Newark, N. J. 309,646. SAW, J. L. Purple, Owego, N. Y.

309,763. SAW FILING MACHINE, D. Chambers, Hull, Quebec, Canada.

PATENTS ISSUED DEC. 24, 1901.

689,393. WRENCH, O. A. Gatrell, Columbus, O.

689,395. Door Hanger, J. Handschumacher, San Francisco, Cal.

689,434. AUGER BIT, P. Theobald, Carrick, Pa.

689,468. MEASURING FAUCET, J. P. Dobbyn, Hayfork, Cal. 689,506. SCUTTLE OPERATING DEVICE, M. Moll, New York,

N. Y.

689,513. KNIFE, R. Papendell, Brooklyn, N. Y.

689,564. WRENCH, G. Partillo, Sarnia, Canada.

689,569. Door Hanger, J. E. Ahlvin, Joliet, Ill.

689,580. DETACHABLE SAW HANDLE, H. Evans, Buffalo, N. Y.

689,692. Construction of Wrench Handles, F. Searle, assignor to Loring Coes & Co., Inc., Worcester, Mass. Corporation of Mass.

PATENTS EXPIRED DEC. 30, 1901.

309,856. HANGER FOR A PAIR OF DOORS, E. N. Hutchins, Lawrence, Mass.

309,863. Pocket Knife, B. McGovern, Bridgeport, Conn.

309,868. Auger, H. Olson, Olesburg, Kans.

309,876. RATCHET DRILL, C. Reising, Plantsville, assignor to Peck, Stow & Wilcox Co., Southington, Conn.

309,932. Door Check, M. H. Crane, assignor to Crane & Breed Mfg. Co., Cincinnati, Ohio.

309,963. Lock, E. Korbel and L. Kurz, New York, N. Y.

309,988. FASTENING FOR MEETING RAILS OF SASHES, T. S.

Smith, assignor to C. H. Rentz, New Haven, Conn.

310,033. Adjustable Butt Hinge, R. G. S. Collamore, Boston, Mass.

PATENTS ISSUED DEC. 31, 1901.

689,846. Can Opener, J. Beauchemin, Waterloo, Canada.

689,851. ICE SKATE, R. Bustin, St. Johns, Canada.

689,880. Mfg. of Knife Blades, R. Herder, Ohligs, Germany.

689,945. Lemon Squeezer, A. Baumgarten, Freeport, Ill.

690,056. SASH FASTENER, E. A. Hills, Wethersfield, Conn.

690,090. Coffee Pot, A. M. Amos, Buffalo, N. Y.

690,118. CAN OPENER, R. W. Newton, Newton Center, Mass.

The United States Heads In The Procession.

The standing of the United States with her neighbors, and especially with those of Europe, is illustrated by some statements made by the London Daily Mail Year Book for 1902, a copy of which has just reached the Treasury Bureau of Statistics. In its various chapters it discusses various features of conditions in the United States. Under the head of Wealth, it places the United States at the head of the list of great nations, the figures of wealth being: United States, £16,350,000,000; United Kingdom, £11,806,000,000; France, £9,690,000,000; Germany, £8,052,000,000, and Russia, £6,425,000,000. While the United States heads this list of countries in its wealth, it shows the smallest national indebtedness, the figures being:

United States	
Germany	651,000,000 706,000,000
Russia	711,000,000 1 239,000,000
The percentage of debt to wealth is given	
United States	
Germany	8.1 "
Russia	11.1

Under the head of Commercial Competition it says that "the first year of the twentieth century opened badly for two of the four leading industrial nations." The trade of the United States was good and showed no decline from the boom-

ing period of 1899 and 1900, but rather, in most industries a continuance of the boom of which the United States has had so disproportionately large a share, and France, which had responded less expansively to the boom, remained unaffected by the decline and progress elsewhere. In England and Germany, however, the decline was felt acutely.

Under the head of the World's Wheat Crop it shows the United States far ahead of any other country in the production of wheat, the estimate of the world's crop for 1901 being:

United States90	millions	Quarters (*)
Russia		••
France	**	**
India30	**	**
Italy	44	**
Hubgary16	**	**
Spain	**	
Roumania		
Rulgaria12	**	**
Germany	**	44
United Kingdom 7	**	44
Australia 7	**	44
Quarter equals 8 bushels.		

Under the head "Fight for the Iron Trade," it calls attention to the fact that the United States is now the world's largest producer of pig iron and steel, and says, "It will be noted that the United Kingdom has lost ground, producing 396,749 tons less in 1900 than in 1899, the total for Great Britain being nearly 5,000,000 tons less than in America. An unsatisfactory feature in the British iron and steel trade is that in 1900 we imported more iron and steel than in any previous year, and exported less, while the United States exported more than ever." The tables accompanying this statement shows the pig iron production of 1900 to be:

United States 13,789,242 United Kingdom 8,908,570 Germany 8,494,852 France 2,609,494 Russia 2,821,000 and of steel	tons.
United States	**
Great Britain 4,901,054	**
Germany	**
France 1,624,046	44
Russia	"

The Untted States Co.

The United States Co., a New York corporation for manufacturing and jobbing Hardware, has just been organized in this city, with offices at 13 to 21 Park Row, beginning with a capital stock of \$50,000. The incorporators and officers are as follows: Fred H. Cozzens, president; Horace C. Hutchins, vice-president and treasurer, and R. W. Hall, secretary.

Mr. Cozzens, the president, was secretary of the National Association of Retail Hardware Dealers in 1900, and in that capacity was brought into personal contact with many of the leading retail dealers of the Middle West, and his attention was directed to the ruinous competition these merchants were compelled to meet in the shape of catalogue houses, department and racket stores, who, buying direct from the manufacturer at just about jobbers' prices, were enabled to resell to the consumer at very little more than the ordinary retail dealer was compelled to pay his jobber, and appreciating the vital importance of some plan whereby the retail dealer could be enabled to meet this competition on a sound basis, decided to undertake the inauguration of a plan which would permit the goods to be placed in the retailer's hands at figures which would enable him to meet any and all competition regardless of the source. To accomplish this end, the United States Co. has been organized. Warehouses will be maintained in Chicago and New York, where necessary stock will be carried.

Mr. H. C. Hutchins, vice-president, will have direct charge of the Sales Department, in which he has had an extensive experience in handling the retail trade, and he is, therefore, especially qualified to undertake the work.

Crawford-What is your wife so put out over?

Crabshaw—She bought a pair of those straight front corsets and thought they would make her look like the figure of the woman in the advertisement.—Ex.



STEP LADDERS, CLOTHES BARS, HOOK RACKS, FOLD-ING CLOTHES RACKS, TOWEL ROLLS, TOWEL ARMS, ROPE REELS, IRONING STANDS AND BOARDS, FOLD-ING TABLES, COMMODES, MEDICINE CABINETS.

W. A. STOKES & CO., 30 Warren St., New York. UDELL-SAMSON WOODENWARE CO., 501 N. Main St., St. Louis, Mo.



Powers' Chimney Top BEST ON EARTH.

Best cover, base, bearing, mountings, and brace. Last longest, easiest made, and makes least noise.

Used with gal. sheetiron base. Iron mountings sold by Leading Jobbers with pattern free for cover and vane.

Address

Powers Bros.

Sole owners,

STREATOR, ILL.

MR. DEALER:

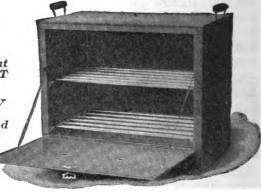
DO YOU WANT A GOOD THING?

In other words if you want to give your customers BEST VALUE in OVENS

BUY THE TROY

Bake quickly, perfectly, and evenly on both top and bottom.

Before placing your oven order write us for particu-ars and prices. It will pay ou.



ROYAL POLISHED STEEL ROASTER CO., TROY, O.

THE HOLDFAST

Clothes line hook or post or pole. Can be nailed anywhere with com-non wire nails.

A Fast and Profitable Seller.

Send for sample to anufacturer and patentee,

R. INDLEKOFER Novelty Manufacturer, ASHTABULA, OHIO.

The Miller Catalogue Cabinet Co.

ROY MILLER, Pres. H. KELLY, Sec.

Complete Index Systems and Cabinets for filing Catalogues, Price Lists, etc.

Box 60, Centre, 89-41 Cortlandt St. New York.



Means time saved, trouble saved, temper saved

and, consequently, money saved.

Assures accuracy, thereby saving you the nocessity of apologizing to yourself or to some one else for errors.

Comprises 200 pages of conveniently arranged tables, embracing 120,000 computa-tions, giving the net of any sum at almost any combination of complex discounts.

> REGULAR EDITION, - - \$3.00. DOUBLE INDEXED, - -

Sent post-paid on receipt of price by

HARDWARE PUBLISHING CO..

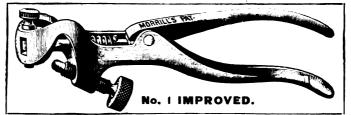
275 Broadway, New York.

MORRILL'S Perfect Saw Sets,

Bench Stops, Punches, Cutting Pliers and Seal Presses.



This Trade Mark is stamped on all Hardware Specialties of my make.



This Trade Mark is stamped on all Hardware Specialties of mv make.

For Hand, Band and Jig Saws, from the widest made down to 1-2 inch. The Sets are too well known for me to enlarge on them.

Write for Catalogue. CHAS. MORRILL,

Broadway Chambers, Broadway and Chambers St., N. Y.

IS THE

THE BEST ROTARY **WASHING MACHINE?**

It is the only Rotary washer that has Revolving Steel Ball Gearing, reducing the friction and thus making machine so light running and almost noiseless.

noiseless.

2.—The tub is made of Louisiana Red Cypress Lumber, cherry finish; the legs are solid with tub (not removable, breakable legs fastened with screws).

3.—The wheel turns right or left, pin wheel or dasher reverses automatically, turning the clothes back and forth through the hot s: ap-suds, and cleaning them without rubbing them to pieces.

4.—This washer is made by experienced mechanics, and will out-last any other washer on the market.

5.—The lid on the tub closes tight, no escape of steam.

Manufactured by H. F. BRAMMER MFG. CO., DAVENPORT, IOWA.

12 and 16 Gauges.

Steel and Twist Barrels.



Simplest "Take Down" Gun made.

Ejecting.

Superior in Design, Workmanship and Finish, and the Most Popular Gun on the Market.

HARRINGTON & RICHARDSON ARMS CO.,

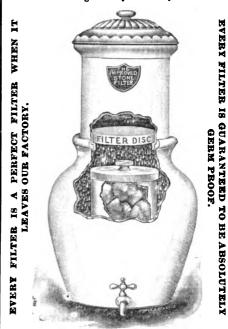
Also makers of H. & R. Revolvers,

Catalog on Request.

Worcester, Mass., U. S. A.

Improved Natural Stone, Germ Proof. WATER FILTERS

Prevent Zymotic Diseases by pushing sale of these goods in your locality.



Every shipment contains a handsome display card. Price lists and discounts are furnished upon application. Manufacturers of Sanitary Stoneware of Every Descrip-tion. Pottery Established 1805.

Fulper Pottery Co., Flemington, N. J.



If you're Looking for First Class CHAMPION **UP-TO-DATE BARROWS** Champions, the All Kinds of Wood and World's Best. THE BRYAN MFG. CO., BRYAN, OHIO,

Material and

Manufacture.





Owing to the Demand for a SKEW BACK SAW

of the superior quality and finish of our No. 13 we have placed on the market the No. 112.

HENRY DISSTON & SONS, Inc., PHILADELPHIA, PENNA. Keystone Saw, File, Tool and Steel Works,

STERLING TOOL HANDL

Always Ready and Everlasting.



No. 8 A. Price 15 Cents.

Sterling wrench co.,

Rockford, Ill.

The SUN CERTIFICATION SO Improved Odorless Gasoline Stoves Ready to Light the moment gasoline is turned on. POSITIVELY ODORLESS.-No soot, smoke, or dirt. SAFE.—The tank is out of sight and away SIMPLE.—Burner has only three parts and it can't wear out. WARMING CLOSET which does'nt heat

THE SUN STOVE CO., Bellevue Ave., Detroit, Mich.

For Butler's Pantry Doors and all other Swing Doors the

"BARDSLEY" CHECKING SPRING HINGE

is unequaled. It closes the door with a soft, gentle and noiseless action and stops it at once at the center. It goes in the floor under the door.

Made in 6 Sizes.

CATALOGUE FREE.

JOSEPH BARDSLEY, 147 to 151 Baxter \$1..

The Pero Hone Strop.

A PERFECT STROP FOR MEN WHO SHAVE THEMSELVES.

Something Entirely new and that you can recommend. The result of 20 years experimenting by an expert barber. Laste a lifetime. Pays a Liberal Profit and money refunded if not satisfactory. Write for full particulars and testimonials.

J. H. PERO, - 237 N. Clark St., CHICAGO.

ANY LAWNS IN YOUR TOWN?

MADE IN TWELVE SIZES.

. The Dunham Jr. Kand Lawn Rollers

Sell one and the effect on the lawn is so quickly evident that a demand is created at once. Don't wait until Spring to get them.

JUST THE RIGHT SIZE TO DO GOOD WORK.





REDUCES DUST 97%

The result of a test by the Milwaukee Health Department proves the superiority of dustless sweeping over all other methods.



Che World's Only Sanitary Dustless Floor Brush

is a patented device having attached to it a reservoir which contains kerosene oil. This oil is absorbed by the specially prepared fibre in the brush, causing just sufficient moisture to roll the dust into balls or pellets instead of rising in the air.

The World's Only is sanitary, destroys germs, prevents disease, sweeps cleaner, quicker, better than any other broom or brush.

We want a dealer in every town to represent us.

MILWAUKEE DUSTLESS BRUSH CO.,

128 SYCAMORE ST., - - - -MILWAUKEE, WIS.

THE LEONARD CLEANABLE REFRIGERATORS

FOR 1902.



Style No. 275. Zinc or Porcelain Lined.

Panels of quarter sawed oak set in a dainty frame of beaded moulding. Finish, golden. Has sliding shelves adjustable to any height without the aid of tools. Eight walls for insulation with mineral wool filling. Air tight locks. Flues and waste pipe removable for cleaning. No wood exposed inside. Solid iron shelves and ice rack. Self-cleaning cast iron Trap, Real bronze trimmings and Ball bearing casters. New catalogue now ready. Secure the agency if you want the best, and easiest selling refrigerator in the world.

GRAND RAPIDS REFRIGERATOR CO.,

GRAND RAPIDS, MICH., U. S. A.



Hardware dealers, the country over, are re quested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

Incorporations, New Stores, etc.

Butte, Mont.-Articles of incorporation have been filed by the H. L. Blume Co. to conduct a wholesale and retail Hardware business with a capital of \$50,000. The incorporators are H. J. Blume, John R. Nedley and John A. Raulson.

Clarksville, Tenn.-J. M. Bowling and associates have organized the Clarksville Hardware Co., the charter of which has been applied for. The capital stock has been fixed at \$15,000. The officers of the company have been elected and are ready Henry H. Taylor. for business in the building now occupied by J. M. Bowling.

Columbia, Miss.—The Hill Hardware Co. has been capitalized at \$10,000, with privilege of doing business when \$4,000 shall have been subscribed and paid in. The incorporators are W. A. Hill, J. B. Hill and J. H. Hill.

Conway Springs, Kan.-Grant Lane.

Darby, Pa.-Harry Sipler has opened a Hardware store on Main Street.

East St. Louis, Ill.—Gutwald-Wallace Hardware Co. has been incorporated; capital, \$3,300; general Hardware. Incorporators, Edmund Wallace, L. B. Wallace, S. D. Sexton.

Hinton, W. Va.-Hinton Hardware Co. has been incorporated to deal in Hardware at wholesale and retail. Capital stock, \$25,-000. Incorporators: W. J. Brightwell, J. C. James, A. G. Flannigan, J. H. Jordan, H. Ewart, E. N. Rhodes, James H. Miller, S. A. Wissinger, James H. George, all of Hinton.

Milwaukee, Wis.-The Smith-Russell Co., associated for a general Hardware, plumbing and electrical business, has been incorporated with \$15,000 capital stock. Olson I. Smith, James B. Russell and Lottie M. Smith are the incorporators.

Minden, Neb.—The Haws Hardware Co. has been incorporated; capital stock, \$50,-000. Incorporators, J. W. Haws, H. E. Haws and William Haws.

Morgantown, W. Va.-Samuel Pickenbaugh and Thornton Kerns have formed a partnership and have commenced business in the Glasscock & Brown building, on Front Street.

Mt. Vernon, Ind.-E. B. Schenk Hardware Co. has been incorporated. Capital. \$15,000. Directors: E. B. Schenk, J. A. Shapker and Elizabeth Schenk.

New York, N. Y .- The Miller, Sears & Walling Co. has been incorporated to deal in Hardware; capital, \$50,000. Directors: W. S. Miller, S. N. Sears and B. B. Walling, of New York City.

Nicholville, N. Y.-Hiram Blanchard. Platteville, Wis.-The Oettiker Hardware

by W. H. Oettiker, G. S. Butler, Charles P. of Woodsfield., and his nephew, a Smith and Mrs. M. Geasland.

Princeton, Minn.-The Caley Hardware Co. has been incorporated with a capital stock of \$40,000.

Pueblo, Colo.-Articles of incorporation of the Phillips-Cooke Hardware Co. have been filed. J. E. Cooke, H. L. Phillips and F. C. Phillips are the incorporators. company is incorporated for \$15,000 and will do business in Pueblo.

Summitville, Ind.—Articles of association for the Summitville Hardware Co. have been filed with the Secretary of State. The company has \$10,000 capital, and the directors are Silas W. Hiatt, Oliver C. Hiatt and

Wardner, Idaho.-The Wardner Hardware Co. has been incorporated. Capital stock, \$10,000. Incorporators: W. E. Mc-Kinney, J. F. Vanallen, Al. Page, C. H. Wentz and Thos. Wright.

Woonsocket, R. I .- The Sylvestre & Brodeur Co. has been incorporated at Providence with a capitalization of \$10,000. The members of the company are Zephir Sylvestre, Louis Brodeur, Cordelia Brodeur, and Aurise Brodeur. The company will sell Hardware in the stores now occupied by Zephir Sylvestre at Monument Square.

Zanesville, O.-The Young Hardware Co. has been incorporated with a capital stock of 50,000.

Changes and Improvements.

Gouverneur.

Anthon, Ia.-John Reinhart, of Oto, and George Servage, of Piero, have purchased the Hardware store of C. C. Bradley & Co.

Britton, S. D.-J. A. McDonald has sold his Hardware business to F. J. Wismer.

Camden, N. Y.-Frank F. Dorrance, of the Hardware firm of W. H. Dorrance & liabilities attached. Son, has purchased another fourth interest in the business, which makes him threefourths owner of the establishment.

Caro, Mich.-Lazelle Bros. have sold their Hardware business to Purdy Bros. & Co.

Charles City, Ia.-H. V. Fussell & Co. Hardware dealers of this city, have sold the business to Chas. and Ed. Snyder.

Columbus Grove, O.-A. C. Hauck, of the Hardware firm of Hauck & Morris, has disposed of his interest to Elias Williams of Vaughnsville.

Columbus, O.-The Smith Bros.' Hardware Co. has increased its capital stock from \$100,000 to \$150,000.

Defiance, O.—There has been a change in the Hardware store of W. A. Kehhast. Abe Smith and Henry Roehrs have been admitted as partners, the two taking a half interest in the business.

Delaware, O.-J. P. Wintermute has de-Co. has been incorporated; capital, \$5,000, cided to sell his stock to S. T. Daugherty, 000.

Daugherty, from Clarksfield, W. Va.

Elmira, N. Y.-Diven & Copley, the Hardware dealers, are to retire from busi-

Eureka, Ill.-W. H. Paris, of Ferris, Ill., has purchased the Simpson Hardware and agricultural implement business.

Norwich, N. Y.-Daniel P. Holmes has sold his Hardware store on South Broad Street to Burchard Bros., of Oxford.

Embarrassments.

Alexandria, La.-E. M. Murdock.

Cincinnati, O.-John H. Hartke, in the Hardware business in Walnut Street, has filed his application in bankruptcy. His liabilities amount to \$13,410.40. The assets are valued at \$11,303.

Green Camp, O.-The partnership Hardware business conducted by Jesse T. Johnston and James T. Berry is in the hands of a receiver appointed by Judge Young in the court of common pleas.

Lebanon, Ind.-The Hardware and implement firm of Price & Goodwin is embarrassed and the firm has made a settlement with its creditors by turning over to James W. Brendle, as trustee, its stock, notes and accounts. Mr. Brendle hopes to realize for the creditors about 75 cents on the dollar of the firm's indebtedness, which aggregates \$18,000.

Water Valley, Miss.—The Shipman Hardware Co., one of the oldest business houses Adams, N. Y.-R. D. Guthrie has sold in the city, has been closed by attachments his Hardware stock to Percy Parlow, of of several foreign creditors. The liabilities are about \$16,000; assets, between \$5,000 and \$6,000.

> Washington, D. C.-Edwin H. Morsell, a retail Hardware dealer, has filed in the recorder's office a deed of assignment to Samuel T. G. Morsell for the benefit of his creditors. There was no schedule of assets or

Recent Fires.

Buffalo, N. Y.-K. Bilski, 610 Fillmore Avenue. Damage, \$2,000.

Clearfield, Pa .- J. E. Kirk. Partially in-

Deming, N. M.—Fire has destroyed the Hardware and general merchandise establishment of W. C. Wallis. Loss on stock

and building, \$25,000. Insurance, \$3,500. E. Worcester, N. Y.—Baldwin's Hardware store.

Northampton, Mass.-L. P. & S. W. Woodbury, Hardware merchants, have lost nearly all of their stock by fire, which started in their store in Masonic Block from spontaneous combustion. The total loss of \$12,000 falls mainly on the Woodburys. Fully insured.

Pittsfield, Ill.-Lloyd Hardware Co. Fully

Salem, W. Va.-D. Powell. Loss, \$15.-

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You may be sure



PIANO VARNISHES, WOOD FINISHES

VARNISHES AND JAPANS OF ALL GRADES, AND FOR EVERY USE KNOWN.

NEW YORK, 252 PEARL ST., BOSTON, 520 ATLANTIC AVE., BALTIMORE, 22E. LOMBARD ST. PHILADELPHIA, 26 & 28 N. FOURTH ST., CHICAGO, 15 & 17 LAKE ST., CINCINNATI, 304 MAIN ST., ST. LOUIS, 112 FOURTH ST., SAN FRANCISCO, 12 FRONT ST.

FACTORY & MAIN OFFICE.

HANDLE VARNISH IT WILL PAY

DER



The Only Bicycle Seat made that is Absolutely Comfortable and Durable.

In the "Rider" Saddle we have all the objectionable features eliminated. Its unique features are its upholstered seat and adjustable nose.



"Its Nose is Adjustable, Softjand Flexible, Hence impossible to hurt or injure.

THE PRICE WILL SURPRISE YOU. Ask about it.

-MADE BY

RIDER SADDLE CO.

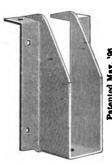
194 Crand River Ave... Detroit, Mich., U. S. A.



For Bicycles, Guns, Typewriters, etc. The best and neatest Oiler in the market. DOES NOT LEAK. The "PERFECT" is the only Oiler that regulates the supply of oil to a drop. Is absolutely unequalled.

Price, 25c. each.

CUSHMAN & DENISON Mfrs. 240-2 W. 284 St., N. Y.



NATIONAL STEEL JOIST HANGER. FOR WOOD HEADER AND BRICK WALLS.

THE NATIONAL IRON & WIRE CO.,

Structural and Builders' iron Work.

Sole Makers, CLEVELAND, O.

CHANDLER & BARBER, F. B. HAWKINS CO., PALACE HARDWARE CC., New England Agents,

Boston, Mass.

New York Agents, New York, N. Y.

Pacific Coast Agent San Francisco, ('al.

ONE ad emphasizes another. Each does some missionary work until the convert is won. Continuity breeds success.

"WILLOUGHBY" COKE AND COTTON SEED FORKS.

Are made exclusively from highest grade crucible steel manufactured expressly for our requirements.



Using only *High Grades* of Steel manipulated by the most approved methods and machinery, and by skillful workmen, we stand pledged to a high standard of excellence in all our various products.

Ask for catalogue and prices-they are interesting.

THE WILLOUGHBY FORK & MFG. CO.

Willoughby, Okio.

HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers over the country, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc., will be gladly received, and promptly published.

New Incorporations, Etc.

Albany, N. Y.—The Rough Rider Horse principally wood. Shoe Co., of New York City, has been in-York, and David Pilsworth, of Brooklyn.

Owego, has been incorporated. Capital, \$125,- engines with which they are operated. 000.

Albany, N. Y.—The United States Co.

Columbus, O.—The Diamond Rubber Co., a West Virginia corporation with \$1,500,000 be in Akron.

with a capital of \$25,000, has filed articles of incorporation in the Burlington County Clerk's office. The object of the corporation is to manufacture air chambers and refrigerators for storing and cooling beer. The incorporators are Robert Brooke, Harry E. Bell and Vivian Frank Gable, of Philadelphia, and Louis A. Krauss, of Palmyra.

Spring City, Pa.—A charter for the Keystone Stove Co. has been filed with Recorder Oscar E. Thomson. The capital stock is \$60,000, of which \$6,000 has been paid in cash. The directors are J. Williston Smith, Samuel Early, John Barry, H. Howard Ennis, Philadelphia; Thomas Cronin, Glen Mills.

Changes and Improvements.

Blackwood, N. J.-McWhorter Mfg. Co. has been incorporated. Object, the manufacture of agricultural implements; capital, \$60,000. Incorporators: Francis S. Mc-Whorter, Wm. A. McWhorter, Samuel A. Hendrickson, Wm. A. Hendrickson.

Cortland, N. Y.—The Cortland Specialty Co. has been incorporated to manufacture carriage Hardware. Capital, \$20,000.

Cuyahoga Falls, O.—The affairs of the Cuyahoga Steel & Wire Co. took a new turn recently when the company again took charge of the plant, which, a month ago, went into the hands of the Hartman Mfg. Co., a Pennsylvania concern. The original owners are now in full possession of the provements are complete. plant. They have their stock back and are \$125,000 ahead.

Mfg. Co., which also succeeds the Hart Co., in the manufacture of cabinet Hardware.

consummated a deal by which that company weeks.

will hereafter control the interests of Gard-

Gasport, N. Y.-The Friend Mfg. Co., produce their engines in larger quantities

Lebanon, Pa.-The American Iron & to manufacture Hardware. Capital, \$50,- known as the National Bolt & Nut Works, will be transferred to this city. The machinery will be placed in the central works here and 150 Reading families will remove Palmyra, N. J.—The Euclid Mfg. Co., concentration of all of the company's interests in this city.

> Muncie, Ind.—The Raymond Cutlery Co. dent. has been incorporated. Capital stock, \$10,-

Newark, N. Y.-W. F. Hunt has purfactory, and will convert it into a manufacturing plant for anti-trust tinware. It is employing seven experienced workmen I. and eventually fifty will be needed. kinds of anti-rusting tinware will be manufactured with butter and lard pails a spec-

New Haven, Conn.—The National Wire Corporation, whose plant in Fair Haven was burned last Summer, announce that when the new mills of the corporation are 1,000 men, twice the number formerly employed.

Pittsburgh, Pa.—The James H. Baker stock from \$100,000 to \$500,000. The additional capital stock will be used to make The company manufactures chains and forgings, and its business has grown to such an extent that the erection of two more buildings at Tarentum has become imperative. Three hundred more men will be placed on the pay roll when the im-

Pittsburgh, Pa.—The Verona Tool Co. has completed its improvements to the forg-Detroit, Mich.-The Crescent Brass and ing department of its works. A number of Iron Co. is succeeded by the Buckley-Hart new forges have been added and the entire department has been lighted with electric lights for the accommodation of the black-East Chattanooga, Tenn.—The Chatta- smiths. The new nut-lock department will nooga Implement and Mfg. Co. has recently not be ready for occupancy for several

Philadelphia, Pa.—The Abram Cox Stove ner & Co., manufacturers of the "Dixie" Co., American and Dauphin Streets, has pea hullers, and a new addition for the been incorporated at Harrisburg with a manufacture of these machines will be capital of \$150,000. The charter of the old erected at once. The proposed building will company had expired and a new one was be 80x200 feet, and the material will be obtained, but the incorporation in no way affects the character of the company.

Racine, Wis.—The J. I. Case Plow Co. corporated with a capital of \$250,000, to manufacturers of spray pumps, are branch- have commenced laying the foundation for manufacture and deal in Hardware and ing out, under the inspiration of an in- their new building to be constructed on the horse and carriage goods. The directors creased capital. They expect by Spring to property recently excavated by the Northare William Kraft, Frank C. Campbell, Ed- have a building 130 feet long adjoining western Railway Co. The company is win C. Gibson, Roger C. Turner, of New their present factory, where they will crowded for room, and the officers have given orders to commence hauling and stor-Albany, N. Y.-Storrs Mica. Co., of and begin the manufacture of the gasoline ing the goods on the site. The building will then be constructed over them.

Rochester, N. Y.-Rochester Nonrust Steel Mfg. Co., of this city, announces that Tinware Co. has been incorporated. Capof New York City has been incorporated its large factory at Reading, formerly ital, \$25,000, and directors: J. E. Byrnes, James Barnes and George C. Schlegal, of Rochester.

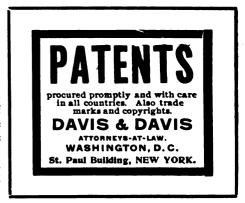
Washington, D. C .- A charter of incorporation has been granted by Judge J. K. capital stock, has been authorized to do to this place. Nuts and rivets were the M. Norton in the Corporation Court to the business in Ohio. The principal office will chief product of the works. The removal Perfect Jar Cap Co., the objects of which is believed to be the first step toward the are to manufacture jars, caps and other articles. The capital stock is \$100,000. E. J. Smith, of Washington, is named as presi-

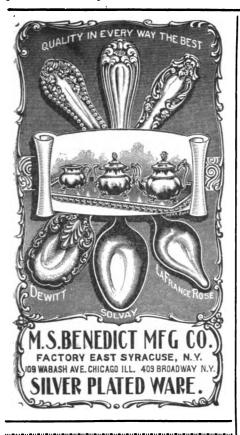
> West Newton, Pa.-J. C. Bartlett & Co. are contemplating extensive additions to their plant, to be made within the coming chased the Spoore Steel Fence Post Co.'s year. The present plant, which is independent of the combine, is to be increased in size and capacity to make it one of the expected to be in operation before January most important industries of the western part of the State.

Willoughby, O.-The Willoughby Fork and Mfg. Co. has increased its capital stock from \$50,000 to \$100,000. Thomas H. Jopling is president and R. M. Bond secretary of the company.

Worcester, Mass.-N. R. Niescz, of Worcester; H. W. Thurlow, of San Francisco. and Frank Van Deventer, of Washington, finished the plant will give employment to have organized the Imperial Mfg. Co., for the purpose of making a new can opener. The new opener is practically three in one, and it will cut any size opening in the top Mfg. Co. has decided to increase its capital or side of a can. The opener will be manufactured at Greendale.

York, Pa.-The Hallock Weeder Cultivabig extensions to the plant at Tarentum. tor Co. has changed its name to the Hallock Weeder Co.







You don't have to hunt for centre in shaft and then for your watch while balancing on a ladder.



The Tabor Revolution Counter. Elizabeth, N. J.

SOMETHING NEW "STANDARD" BALL-BEARING PHILADELPHIA CASTERS





Gem-Chopped Dishes in 1902

will be popular. Housekeepers are passing along the word that Sargent's Gem Food Chopper is the best thing made for chopping and that no kitchen is complete without it. There is a growing demand for the Gem. Why not sell it? It will make money for you. Write today for some interesting printed matter and prices; it will be worth your

SARGENT & CO., Manufacturers,

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OX YOKES and OX BOWS

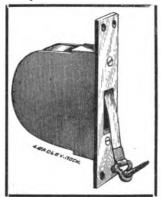


For more than forty years, we have made several sizes of both Ox Yokes and Ox Bows.

ILLUSTRATED PRICE-LIST SENT ON REQUEST.

THE IOWA FARMING TOOL CO., FORT MADISON, IOWA, U. S. A.

JUST A LITTLE HIGHER



Caldwell Mfg.

In price, but so much

HIGHER IN QUALITY

that the great majority of dealers prefer to sell

CALDWELL SASH BALANO

They can recommend them with clear conscience. Write for catalog.

4 JONES ST., ROCHESTER, N. Y.



Send for DESCRIPTIVE CIRCULAR and PRICE LIST.

BICYCLE AND SPORTING GOODS RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Augusta, Me.—The Automobile & Cycle Co. has just been incorporated, with \$10,-000 capital stock, for the purpose of manufacturing motor bicycles and vehicles. Albert E. Knowlton, of Malden, Mass., is president, and Frederick E. Downs, of Malden, treasurer.

Garden City, N. Y .- The Anthony & Scoville Co. has been incorporated with the Secretary of State. The company proposes to deal in articles and materials used in connection with the science of photography, photo-engraving and optics. The capital stock is \$2,500,000. The directors for the first year are: Richard A. Anthony, William T. Wisner, Alexander C. Lamontte, Clarence B. Stanbury, Hugo Kohlmann and Albert W. Putnam, of New York City, and Frederick A. Anthony of Hackensack.

Trenton, N. J.-The American Cycle Mfg. Co., capital \$8,000,000, to manufacture and sell bicycles and automobiles, has been incorporated. The corporators were Joseph E. Bromley, R. Lindsay Coleman, George Pope and Thomas E. Merseles, all of Tersev City.

West Palm Beach, Fla.-F. H. Marshall has opened a new store.

Changes and Improvements.

Adams, Mass.-W. F. Kirkpatrick succeeds M. J. Curran.

Berlin, Wis.-The J. B. Diebler Cycle Works has been succeeded by E. C. & J. B. Diebler.

Buffalo, N. Y.-Work has been begun on a new building to be occupied by the E. R. Thomas Motor Co. The site is on Niagara Street, just north of West Ferry. It is expected to be completed by February 1.

Buffalo, N. Y .- Harlow W. Bailey, who has an office at 494 Ellicott Square and a plant at 351 Seventh Street, for the manufacture of telescope sights for rifles, and other optical goods, has sold out his entire plant to the Stevens Arms & Steel Co. of Chicopee Falls, Mass.

Chicago, Ill.—The Chicago Motor-Cycle Co. has increased its capital stock from \$2,500 to \$4,800.

Goffstown, N. H.-The bicycle repair shop situated between the two Paige blocks on Main Street has been removed to Depot House next to Spalding Bros. Street, in front of the Boston and Maine Railroad station.

Hagerstown, Md.—The Crawford Bicycle Works have been transferred to the American Cycle Mfg. Co. The plant will now be confined exclusively to the manufacture of bicycles.

Haverhill, Mass.—The bicycle shop of George Durgin has been completely renovated and a new motor installed.

connected, for himself, at 118 West State Street.

Jamaica Plains, Mass.—Chas. E. Johnquist has closed his cycle store and repair horse-drawn vehicles. shop for the Winter.

Lebanon, N. H.-L. J. Campbell has purchased the sporting goods stock of C. E. Clapp and taken possession.

Long Branch, N. J.—Charles E. Morris has leased the store in the Hendrickson building, opposite Odd Fellows' Hall, and has taken possession with his bicycle busi-

Co. has transferred its Sydney branch to H. C. Cook.

New Haven, Conn.-A. C. Benham has sold his bicycle business.

New Haven, Conn.—It is stated that the creditors of Arthur Griggs, who failed a short time ago, will be paid about 40 per cent. of their claims.

New York, N. Y.—At the meeting of the stokholders of the American Bicycle Co., held in this city, it was decided to reduce the capital stocks of the company to \$26,-996,400, consisting of \$17,701,500 common and \$9,294,000 preferred stock.

Norway, Me.-H. & E. Sanborn, who pair business and do gunsmithing. made Oxford bicycles and other articles, have closed their business to remove to Arizona, where they will engage in min-

Rochester, N. Y.-The American Flyer Bicycle Co., which for the past two years has occupied the big double store at 85 and 87 East Main Street, has closed its doors.

Salina, Kan.—A complete line of sportbusiness of F. L. Martin. With the intention of taking the lead in this line, he has put in the largest stock of guns and ammunition in the town.

Stamford, N. Y.—The remaining stock of bicycles in the store of Frank H. Marshall was recently turned over to the American Bicycle Co. to satisfy a mortgage, and the store has since been closed.

San Leandro, Cal.—Andrew Roberts has lately purchased an interest in the bicycle shop of M. C. King. The firm is now known as Roberts & King.

St. Johnsbury, Vt.-Joseph St. Jock has moved his bicycle store from the Republican building to the store in the Avenue

Syracuse, N. Y .- F. A. Hollenbeck, formerly of the Syracuse Arms Co., has been made general manager of the Hollenbeck Gun Co., a new company formed for the manufacture of guns. The plant is located at Wheeling, W. Va.

Syracuse, N. Y.—Announcement has been made that the I. A. Weston Co., manufacturing steel spoke suspension wheels, metal hubs and bicycle coaster brakes, has bought Ithaca, N. Y.-E. S. Robinson, who for the entire plant of the Jamesville Mfg. Co., the past few years has been foreman in of Jamesville, N. Y. The purchase includes

Nathan Hanford's bicycle repair shop, has the factory building and all the machinery. opened a bicycle business, with repair shop The Jamesville plant will hereafter be conducted by the Weston Co., which will add to its line of bicycle parts, steel rims and all ball bearing steel parts for automobiles and

> Toledo, O.-The American Bicycle Co. recently let the contract for the erection of a \$20,000 addition to its plant, and work has begun on the building, which is to be a three-story brick, 170 feet by 45 feet, and it, together with the entire plant of the company, as at present, will be utilized in the building of the Toledo steam carriage.

Toledo, O.-When the annual meeting of New Glasgow, N. S.-The Acme Bicycle the Gendron Wheel Co. is held on the second Monday in January, John Showell, the present vice-president of the company, will be elected to the office of president to fill the place recently made vacant by the death of George H. Fisher.

Vassar, Mich.—The bicycle sales and repair business of J. E. Buck & Son has been bought by Durham & Co., a new firm, composed of Silas Durham and G. R. Mesnard, who has been employed by Buck & Son during the past season. The new firm has also purchased the stock and equipment of the late John Vescelius. They will make and repair bicycles, conduct a general re-

Burglaries.

Summit, N. J.—The bicycle and sporting goods store of Chester C. Henry, in Springfield Avenue, near the post office, was entered by burglars recently. The intruders carried away several articles valued at about \$100.

Embarrassments.

New York, N. Y.-Judge Scott, of the ing goods has been added to the bicycle Supreme Court, has appointed William C. Arnold temporary receiver of the assets of the Nason-Ryder Co., dealer in athletic and sporting goods, at 25 West Forty-second Street, on the application of Edward B. Ryder and W. L. Savage, directors.

Providence, R. I.—The Coleman Automobile Co., Horace P. Coleman, proprietor, has failed.

Recent Fires.

Camden, N. J.-E. S. Matlack, 14 S. 36th Street.

Everett, Mass.-J. J. Cannell & Co., loss by fire, \$700; fully insured.

Kalkaska, Mich.—Frank Eckler, fire loss. Gobleville, Mich.—J. W. Tuxbury, fire loss.

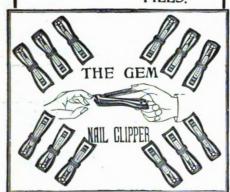
New London, Conn.-One of the worst fires that have occurred in this city for years broke out recently in Raub's gun store, on Bank Street, and before it was subdued damage estimated at \$100,000 was done. Five buildings on State and Bank Streets were gutted and a large number of stores burned and damaged by water. The losses are well covered by insurance.

Pleasant Prairie, Wis.—The Laflin & Rand Powder Co.'s "beater" house, one of the largest portions of the factory, has been completely destroyed by fire.



The GEM **CLIPPER** NAIL CUTS,

CLEANS, FILES



Mounted 12 on card like the illustration.
They make an attractive show and sell like hot cakes

SAMPLE BY MAIL, 25 CENTS.

PRACTICAL POPULAR POCKET Manicure

Perfect for removing hang nails. Send for circular and prices.

C. COOK CO.,

ANSONIA, CONN.

Please mention "HARDWARE."

AT THE FRONT The Morrow Goaster Brake.

Greatest Labor Saver.

EGLIPSE MFG. CO., Ave. 15, ELMIRA, N. Y.

Bicycle, Sleigh, House, Hand, Trip and

Rotary Door
Send for Catalogue and Price-List. STAIR BROS. BELL CO., Easthampton, Copn., U.S. A.

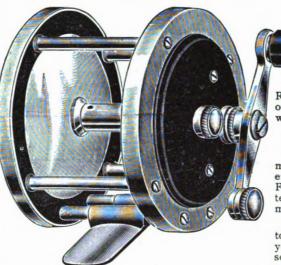
JUSTLY CELEBRATED

Genuine Barrios Diamonds

In Rings, Pins and Studs, \$1.00 each. Earrings \$2.00 per pair. Mail orders filled promptly upon receipt of price. Order now.



Barrios Diamond Co., 1 139 Broadway. New York, U. S. A. PFLUEGER FISHING REELS.



We are now manufacturing a complete line including all the popular styles and sizes:

Brass, Nickel, German Silver and Rubber, suitable for all kinds

of fishing, either salt or fresh water.

40, 60, 80, 100, 150, 200, 250, 300, 350 Yards.

The foreman of this department has had 25 years experi-ence in the manufacture of Fishing Reels, and we guarantee our goods the finest in the market.

Prompt Shipments. Be sure to get our prices before placing your orders for the coming season.

THE ENTERPRISE MANUFACTURING CO.,

Largest Manufacturers of Fishing Tackle in the United States, AKRON, OHIO.

Climax Spring Wire Saddles.

The first hygienic saddles marketed. Have stood the test of years' use. Are unequalled for strength, durability, lightness, speed and comfort.

> We also make **AUTOMOBILE**

WAGON SEATS.

Do not fail to get our catalogues and prices.

CLIMAX MFG. CO.,

EAST HAMPTON, CONN.



A Great Labor Saver.

Will pay for itself in a single day. Where Steel Giant Grubbers are kept and shown a large trade is soon established. They are a necessity to almost everybody owning land. Moderate price. Large margin of profit to the dealer.

Sample orders solicited and promptly filled.

Manufacturing

79 East 130th Street, New York.

EVERYWHERE BY EVERY BODY MANUFACTURED BY

NEW DEPARTURE BELL CO. BRISTOL, CONN. U.S.A. JOHN H. GRAHAM & CO. NEW YORK CITY.



A GOOD DISPLAY

means increased sales. Use the

Search-Light Uapor Camps,

and success is within your grasp. We would like to send you our illustrated list 175 E. Division St., Chicago, Ill.

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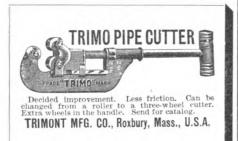


ROBERT MURRAY-24 Duane St., New York City.

General Hardware

Agent for Atlantic Screw Works.
Wood Screws of Every Description.
Agent for Maynard's Socket Shovels.





A WHOLESALE HOUSE

Wishes to communicate with manufacturers of Tools for regular deliveries for Cash. Apply

E. NEWBORGH & CO., 46 Southampton Buildings, London, W. C. ety. Nail Pullers, Screw Drivers Plyers
Wire Cutters. etc. Metal Goods of any
kind to order on large contracts.

The Bridgeport Mfg. Co.,

Admiral Street, Bridgeport. Conn

SHEARS,

Steel Laid and Hard Cast, in great vari-

Hardwaremen's Exchange.

Notices of HELP WANTED or SITUATIONS WANTED will be inserted in this column free of charge. Should not exceed Four Lines.

ALL OTHER NOTICES, twenty-five cents per line.

Help Wanted.

HARDWARE SALESMAN.—A salesman acquainted with the wholesale and large retail Hardware stores of the United States and Canada, to sell specialties in Builders' Hardware and Refrigerator Trimmings. Address, stating age, experience, salary expected, and references, Brass Goods, care Hardware, 275 Broadway, New York.

Situations Wanted.

A FIRST-CLASS ACCOUNTANT, book-keeper and cashier, understanding office work in every particular, desires to connect himself with some house, where integrity and strict attention to business would meet with fair compensation. Address P. P. P., care HARDWARE, 275 Broadway, New York.

A SSISTANT BUYER or ACCOUNTANT.—Young man (23) with long experience in Hardware and marine business, desires a position with a large concern where by strict attention to business he may receive advancement. A 1 references. Address ACCURATE, care HARDWARE, 275 Broadway New York.

BOOKKEEPER.—Man (28) well educated, desires position in any State; neat and accurate; knows Hardware busicess thoroughly. Address Paul Fugler, 387 South Ave., Bridgeport, Conn. 267

BUILDERS' HARDWARE SALESMAN.—Hustling young man, thoroughly familiar with Builders' Hardware, and prices of same, now with large manufacturers in New York City, desires a change. Address Hustler, care Hardware, 275 Broadway, New York. 268

HARDWARE BUYER. MANAGER OR SALESMAN. — A practical and experienced Hardware man wants position January first as buyer, manager or salesman. Understands architectural plans. Address, Burr, care Hardware 275 Broadway, New York. 281

HARDWARE CLERK.—Hardware man of experience and ability wishes to locate with some house in any capacity where his work will be appreciated. Address Burton, care HARDWARE, 275 Broad way, New York.

HARDWARE SALESMAN of 15 years' experience, thoroughly acquainted with the wholesale trade throughout the United States and Canada, is open for engagement January first. Highest reference from last employer. Address H. J. Benson, Bethel Church, Lancaster,

Situations Wanted.

HARDWARE SALESMAN.—Experienced Hardwareman wants position as salesman (road or stree). New York State preferred. Thoroughly conversant with Builders' Hardware, Mechanics' Tools and Supplies, Farm Implements and General Machinery. First class references. Address A. A. P., care HARDWARE, 275 Broadway, New York.

TRAVELING SALESMAN.—One of the most popular Hardware salesmen traveling in the South and Southwest wants a position January first. Has knowledge of all Hardware lines, especially experienced in Builders' Hardware, Guns and Cutlery. Address T. T., care HARDWARE, 275 Broadway, New York. 283

Export Business Wanted.

AN EXPERIENCED HARDWAREMAN who has spent some time on the road, and possessing the knowledge of how to develop a large Export Trade, here in the city, offers his services to a few ambitious manufacturers desirous of cultivating such extension of their present business. Correspondence solicited. Address Bobs, care HARDWARE, 275 Broadway, New York.

Side Line Offered.

GOOD CHANCE for Hardware salesman to sell the "Argand" Lamp as a side line; liberal commissions. Address Argand Vapor Lamp Co.. Detroit, Mich.

HARDWARE SALESMEN.—To handle as a side line our laborsaving device, advertised elsewhere in this issue of HARDWARE, Liberal commission to good men. We furnish free to our agents a perfect working model, pocket size, which will lift 500 pounds. Address. DEPT. C. BURR MFG. Co., Cleveland, Ohio.

For Exchange.

WANTED.—To exchange Michigan farm for country Hardware.
Address, Box 38. Favette, Ohio. 285

Ad. Writing.

Do You Write Ads? SEND TODAY FOR INVALUABLE INFORMATION—FREE. HARPER SYNDICATE, Columbus, O.

Agency Offered.

LIVE HARDWAREMEN—We would like to hear immediately from a few live Hardwaremen who would like to be sole representatives in their towns, of a concern that is in the market for business, and have a line made for "men now on earth"—a modern line THAT CAN BE SOLD to your customers. Address "Box 88," care HARDWARE, 275 Broadway, New York.

Mail Order Specialties.

LIGHT HARDWARE SPECIALTIES WANTED for a mail order business. Address The Mills Co., Cleveland, Ohio. 247



lindow Guard live Signs, all Work, etc.

Send for Catalogu

J. ADAM,



ADAM'S STEEL & WIRE WORKS.

Standard Stamping Co.

SHEET METAL STAMPINGS, BICYCLE PARTS, NOVELTIES, and Contractors for SHEET METAL GOODS.

Corner Seventh and Hudson Streets. BUFFALO, N. Y., U. S. A.



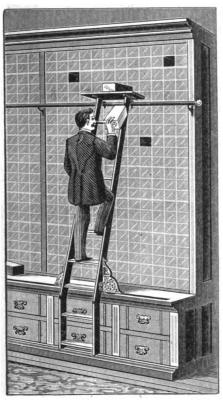




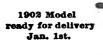
THE BICYCLE STEP LADDER.

Especially adapted for Hardware Stores

JOLIET, ILLINOIS



The newest, neatest, simplest, easiest operated and safest store ladder made. Highest Award World's Fair. Write us. THE BICYCLE STEP LADDER CO., 65 Randolph St., Chicago, Ills.



Removes cut and dead grass, leaves, refuse, etc., from the lawn and sweeps SIDE-WALKS, PAVED STREETS and FACTORY FLOORS! Made right, looks right, is right and

guaranteed. THE GREENE MFG. CO.,

JOBBERS

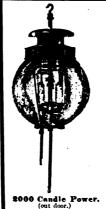
wanting a 1901 NOVELTY, that is a 1902 NECESSITY, must handle

> THE "APOLLO" LAWN-SWEEPER

> > 20, 24 and 28 Inch Sweep.

Write for booklet and discounts.

12 East St., Springfield, Ohic, U. S. A.



If you want your store made attractive light it with

STERLING ARC SYSTEM

The simplest lamp, with fewer parts than any other on the market. Nothing to get out of order. No taking down to fill. Always ready for use.

ALL GGODS WARRANTED FOR TWO YEARS

WRITE FOR OUR SPECIAL PROPOSITION TO HARDWARE DEALERS.

DEPARTMENT H. Sterling White Light Gas Lamp Co., STERLING, ILL.



2000 Candle P. wer.





ORNAMENTAL LAWN FENCE. OVER 50 DESIGNS.

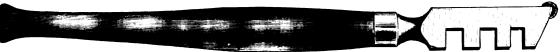
We manufacture all kinds of Fencing, Wire Window ards, Bank and Office Railing, Wire Settless, Wire Sum-

Houses etc., etc., etc. Write for our 52 p. Catalogue and Discounts.

UP-TO-DATE MFG. CO.,

1001 North 10th St., Terre Haute, Ind.

Barrett's Glass Cutters Standard Barrett's Practical Glass Cutters are the standard the world over. Sold by more Hardware Dealers than all



other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U. S. A.

WRITE FOR QUOTATIONS



Montion "Bardware."

THE CLARK MFG. CO., Buffalo, N.Y.

Manufacturers of

CET OUR PRICES BEFORE ORDERING

Lull & Porter, O. S.

-AND-

'BUFFALO REVERSIBLE'

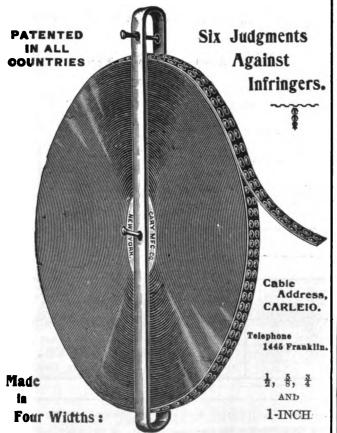
SHUTTER HINGES.

AND-

CLARK'S SURFACE BLIND HINGES, GATE HINGES, SASH PULLEYS, SPRING HINGES, CAST DUOR BUTIS, STOVE PIPE DAMPERS, ETC.



CARY'S UNIVERSAL BOX STRAP.



CARY MANUFACTURING CO.,

19 and 21 Roosevelt St., New York.



PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardward trade only, and for such quantities as are usually purchased by retail dealer. They are carefully revised and represent quotations at which purchases can b made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

A 3	D. N DIA . DDD
Adzes—	Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in kegs,
House Carpenters, Ogden's	614 ib
Railroad "	" V. G. P." for Trap Shooting, in kegs, 25 b
	"V. G. P." for Tran Shooting
Ammunition—	in kegs, 1214 b
CAPS, PERCUSSION—\$ 1000-	111 Kegs, 044 10 1.25
U. M. C. Co., trimmed edge40c U. M. C. Co., ground edge, heavy50c	Choke Bore, Nos. 5 and 7 in
Musket, Waterproof, 1-10's60c	kegs, 25 fb
G. D85c	kegs, 1214 b
CARTRIDGES-	kegs, 614 fb 1.50
Rim Fire Cartridges50%	Mealed Powder, in kegs, 25 h. 4.00 Shipping Powder, F, FF, FFF, FFFF and FFFFF, in kegs,
Rim Fire Military	FFFF and FFFFF in kees
Cent. Fire, Pistol and Rifle	
ing	Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in kegs, 25 b
ing 15&5% Blank Cartridges, 23 cal 10&5% Blank Cartridges, 33 cal 10&5% Primed Shells and Bullets 15&5% B. Case Bound Ball	in kegs, 25 to 2.25
Primed Shells and Bullets 15&5%	
D. D. Cape, Round Dan	(B), C, F, FF, FFF, FFFF, in kegs, 25 ib 1.50
B. B. Caps, Con. Ball, Swgdnet	Du Pont Sporting Powder, for lots
PRIMERS—	1000 to 10% discount: Du Pont Smokeless Shotgun
Berdan Primers	Powder:
All other Primers	Kegs, equal in bulk to 25 ib Black Powder 22.00
SHELLS-	Half kegs, equal in bulk to
First quality, 4, 8, 10 and 12 gauge 25%	12½ ib Black Powder 11.25 Quarter kegs, equal in bulk to
First quality, 14, 16 and 30 gauge,	Quarter kegs, equal in bulk to 614 to Black Powder 5.75
New Club, New Rival and Climax	Canisters, equal in bulk to
Drands, 10 and 18 gauge	Du Pont Smokeless Rifle Powder No. 1, equal in bulk to 1 b Black Powder 1.00
Nitro 15%	to 1 ib Black Powder 1.00
Trimose Ciub	
Acme	Powder No. 3, equal in bulk to 1 h Black Powder 1.00 Du Pont U. S. 30 Calibre Smokeless Rifle Powder,
Brass Shot Shells, 1st quality60%	Du Pont U. S. 30 Calibre
Brass Shot Shells, Club, Rival and Climax	Smokeless Rifle Powder,
SHELLS, LOADED-	per ib
-	
"New Club," Black Powder40&5% "New Rival," Black Powder40&5%	PETERS PRIMERS—
"BMOKeless" Nitro Powder.	All Primers\$1.10-1.1234
40&10&10&5≴ "Acme," Dense Nitro Powder,	CARTRIDGES -
40&10&10 & 5\$	Peters Blank Cartridges:
"Trap," Nitro Powder 40&10&10&5%	.82 C. F., \$5.50
GUN WADS-\$ 1000-	.22 cal. Rim. \$1.50
B. E., 9 & 10	.82 cal. Rim, \$2.7510&5%
	B. B. Caps, Con. Ball, Swgq \$1.85-1.90 B. B. Caps. Round Ball 1.12-1.18
B. E., 7	B. B. Cape. Round Ball 1.12-1.18 Central Fire 25% Pistol and Rifle 15&5%
P. K., 9 & 10	Primed Shells and Bullets15&5%
B. E. 7	Rim Fire Sporting50%
	Rim Fire Military15&5%
SHOT—	PETERS SHELLS-EMPTY-
Tatham Bros.:	Peters Ideal, 10 and 12 gauge881/4&10%
25-h bags	" New Victor, 10, 12 and 16 gauge15%
25-th bags	" Quick Shot, 10, 13 and 16 gauge 25&5% " League, 10, 12 and 16 gauge25&5%
Buck Shot, 25-1b bags 1.75	
Chilled Shot, 25-lb bags 1.75 Dust Shot, 25-lb bags 2.00	PETERS SHELLS—LOADED (BLACK POWDER)
	Peters League, 10 and 12 gauge, 40 & 5%
E. I. Du Pont De Nemours & Co.:	" Quick Shot, 10, 12 and 16 gauge 40 & 5%
In cases of 25 each. Each	Loaded with (Semi-Smokeless Powder).
Crystal Grain, Nos. 1, 2, 8 and 4, in canisters of 1 ib \$.75	Peters Referee, 10,12and 16 gauge 40 & 5%
4, in canisters of 1 fb \$.75 Eagle Duck Shooting, Nos. 1, 2	Loaded with (Smokeless Powder). Peters New Victor, 10,12 and 16
Ragie Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 b	gauge
and 8, in canisters of 16 fb80	" Ideal, 12 gauge 40&10&10&5%
Ragle Rifle and Superfine Sport-	GUN WADS-
ing, in canisters of 1 b	Peters B. E., 9 to 1070c
FFFg, in canisters of 1 b25	" 10 to 206Cc
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1/2 h 15 Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1/4 lb 12	*** 10 to 20
Du Pont Rifle, Fg, FFg and	11 to 2060c
FFFg, in canisters of 1/2 lb 12	" F. E., 76 In. 8\$1.50
KEG POWDER-	11 to 20 1.00
Eagle Duck Shooting, Nos. 1, 2	" White Elastic, % in., 125 in a box.
and 3, in kegs, 25 h \$8.00 Eagle Duck Shooting, Nos. 1, 2 and 3, in kegs, 123, h 4.25 Eagle Duck Shooting, Nos. 1, 2 and 3 in kegs 125, h	
2 and 8, in kegs, 123 h 4.25	9&10
and 8, in kegs, 614 fb 2.25	8 \$1.50
and 3, in kegs, 64 fb 2.25 Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in kegs,	8
oca oncoring "rg, in Kegs,	11 to 20 1 00 " Card Board, per 1,000:
25 D <u>\$4</u> 00	
Du Pont Rifle, FFF o. FF o and	8
25 b. \$4.00 Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in kegs, 12½ b. \$2.25	8

ded for the Hardware	" Nitro card:
hased by retail dealers.	826c 9&1022c
which purchases can be	11 to 2018c
requently make higher	POWDER-
	King's Smokeless (Shot-gun),
ancies, as we desire to ant attention.	Kegs (25ths bulk)
il always be furnished	Kegs (25ms bulk)
	Canister (1th bulk) 1.00 King's Smokeless (Rifle)
	Canister (1th bulk) 1.00 King's Smokeless (Rifle), Half Kegs (12) (10s bulk) 11.25 Quarter Kegs (6) (10s bulk) 5.75 Canister (1th bulk) 100
MMD- MD	Quarter Kegs (6¼hs bulk) 5.75 Canister (1h bulk) 1.00
, FFFg, FFg, and ing "Fg, in kegs,	King's Semi-Smokeless,
1,20	King's Semi-Smokeless, Keg, Syhs bulk
or Trap Shooting,	Quarter Keg. 61/10s bulk 2.75
r Trap Shooting	I ID Can, bulk
r Trap Shooting,	Kegs, 25 tbs 4.00
b	Haif Kegs, 12/40s 2.25 Quarter Kegs, 61/10s 1.25
	1 lb Can (24 in case)
Nos. 5 and 7, in	Discounts on application.
Nos. 5 and 7, in	Animal Pokes—
D 1.50	Iowa Farming Tool Co.: \$\ dos.
er, in kegs, 25 b 4.00 vder, F, FF, FFF, FFFFF, in kegs,	Hawkeye
FFFFF, in kegs,	Anti-Rattlers—
Blasting Powder, FF, FFF, FFFF,	Fernald, Wire
FF, FFF, FFFF, 2.25	Burton's
Blasting Powder.	Gem
FF, FFF, FFFF, 	Kohler's: 9 gro.
g Powder, for lots	Kohler's: 9 gro. Invisible, No. 8
count : okeless Shotgun	Bolt Holder, No. 1 9.00
_	Anvils-
der 22.00 equal in bulk to	American "Horse-Shoe"
equal in bulk to	Cincinnati
ck Powder 11.25 s, equal in bulk to	Cinchnati
k Powder 5.75	Peter Wright's
qual in bulk to Powder 1.00 Smokeless Rifle	Samson'40&10%
Smokeless Rifle	ANVIL AND VISE COMBINED—
o. 1, equal in bulk	Cheney Anvil and Vise
Smokeless Kills	Chency Anvil and Vise40% Holt's40@40&10% Millers Falls (with drill), \$18.0015%
o. 2, equal in bulk ck Powder 1.00	
o. 2, equal in bulk ck Powder 1.00 J. S. 30 Calibre ck Rifle Powder,	Augers and Bits—
Kine Powder,	Boring Machine
s on application.	Forstner Pat. Bits
RIMERS—	Double Spur pattern car, No. 8050%
\$1.10-1.123	Double Spur pattern car, No. 80 50% Nobles Double Spur, No. 83 50&10% No. 10 Extension Lip 40% No. 10 Extension Lip Car Bit 40%
	No. 10 Extension Lip Car Bit40%
E8 —	Car Bits, No. 10
rtridges:	Ring Augers
)10&5≰)010&5≰	Snell's Auger and Car Bits 60%
1.5010&5≴ 9.75 10&5≼	Swan's:
2.7510&5% Ball, Swgd\$1.85-1.90	Jenning's Pattern Auger Bits, 50@50&10\$
nd Ball 1.12-1.18	Jenning's Pattern Car
	Jenning's Pattern Machine25% Russell Jennings' Augers and Bits.
ng50%	\$5&10&2 }
y15&5%	HOLLOW AUGERS— Ames
ELLS—EMPTY—	Ames
	Cincinnati Nos. 1, 2 and 825&10%
and 12 gauge881/4&10% 0, 12 and 16 gauge15%	Douglass'
0, 19 and 16 gauge 25&5% and 16 gauge25&5%	Ives
	Millers Falls, Goodell15&774
ELLS-LOADED (BLACK IR)	Cincinnati Nos. 1, 2 and 8 25&10% Douglase' 25&10% Hibbard's Adjustable Net prices Ives 25&210% Millers Falls, Goodell 15&776% Swan's 40% Universal, each \$4.50 20%
10 and 12 gauge.40&5%	EXPANSIVE BITS-
10,12 and 16 gauge40&5%	C. E. Jennings & Co
(Semi-Smokeless	Clark's small, \$18
,10,12and16 gauge40&54 Smokeless Powder).	Ives' Model, \$\psi\ doz. \$60
ctor, 10,12 and 16	DOUBLE CUT GIMLET BITS-
40&10&5%	Common
ige40&10&10&5≴	Mayhew's Diamond \$\ doz. \$1.2540%
_	Swan's
1070c	Ladds
60c	Snell's
\$1.50	BIT STOCK DRILLS— Cincinnati Tool Co., for wood, 40&10%
	for metal, 60%
% in., 125 in a box.	Cleveland Wood Bits for Brace50&10% Detroit60%
	K. & F
	Morse
per 1,000; \$1.50	Syracuse, for wood40%
	TWIST DRILLS—
1 00 er 1,000:	Cleveland
	Morse Straight Shank50&10\$
22c	New Process

Syracuse
SHIP AUGERS AND BITS-
L'Hommedieu's
Awl and Auger Handles— See Handles
Awls—
Handled Brad
Shouldered Peg
Handled Scratch
Awl and Tool Sets-
Aiken's Awls and Tools: No. 10, \$\psi\$ doz. \$7.50; No. 20, \$\psi\$ doz.
\$10
No. 48, \$10.50; No. 43, \$12.50
Nos. 1, \$12; 2, \$12; 4, \$12; 5, \$18.
C. E. Jennings & Co.'s Adjustable Tool Handles 83/58 Stanley's Excelsior, No. 1, \$7.50; No. 2, \$4.00; No. 3, \$5.50 80&10s
No. 2, \$4.00; No. 8, \$5.5080&10s
First quality, best brands\$6.50@7.00 First quality, other brands6.00@6.50 Beveled, add 25c. \$\pi\$ doz.
HATCHETS-
Hunt's, Underhill's or Blood's40&10s Peck's: Champion Blade45s
D. Simmons & Co.:
Broad Shingling and Claw Lath, Hunters', etc. M. C. Ogden's:
Shingling, Claw, etc40&10%
Handled Axes
Disease to Granication tte
1-b box
Balances—
Chatillon's: Light, Class A
Ice Balances, Class B
Balances, Sash— Pullman's
Barn Door Hangers— See Hangers.
Barrel Drainers— National
Beef Shavers— Enterprise:
Japanned, each, \$7.5025@30s Tinned, each, \$9.0025@30s Bells—
HAND-
Extra Heavy Brase
White Metal
Trip, Gem
Alarm, Yankee. 50% Gong, Abbe's 40% Gong, Yankee. 50% Lever, R. & E. Mfg. Co.'s. 50&10% Multi-Stroke. 40% New Departure. 46%50%
Common Wrought
Bellows— Rischamiths' 60&10@70€
Moulders'
Belting, Rubber- Boston Belting Co.:
"Boston"



58	HAILD	VAICE	J.I.W. 12, 1902
Cleveland Rubber Co.: Price Each	Bone Mills.	WROUGHT STEEL-	Cherry Stoners—
Buckeye	Enterprise25@30%	List April 1, 1895. Bronzed Inside Blind Butts50@50&10%	Enterprise25@307 Family net \$\doz.\\$4.00
War. 2 XL	Stearns40%	Bronzed, Narrow50@50&10% Fast Joint, Narrow	Chisel and File Handles-
	Borers, Bung.		See Handles.
N. J. Car Spring & Rubber Co	Enterprise	Fast Joint, Light Narrow	Chisels—
Deliable	Each\$1.25, \$1.65, \$2.50 Nos	Loose Pin	SOCKET FRANING AND FIRMER—
Staple	C. E. Jennings & Co.: No. 6	Table Butts, Back Flaps, ecc	Buck Bros
	No. 10	Calipers—	Charles Buck
Belting, Stitched Cotton—	Borers, Tap-	Bemis & Call:	Mix Ohio Tool Co
phinx Brand	Common Ring	Double	P. S. & W
	Enterprise	Inside and Outside	Swan
Belts-		Straight Leg	Witherby
Four Ply, 6-in. net	Boring Machines- without Augens-	Can Openers—	
Cour Ply. 7 in. net 8 100t 190	Unright, Angular,	American 9 gross, \$1.75@\$2.00	TANGED AND MISCELLAMEOUS— Box 60&10
Four Ply, 8 in. net	Douglass' \$2.75 Jennings' 8.00 Millers Falls 7.50 15≴	Goodell's Acme	Ruck Russ 20410
Bench Stops—	Millers Falls 7.50 15%	No. 5, Iron Handle, 39 gross, \$2,00@2.25	Butchers'. \$4.75@\$5.09 to 4 C. E. Jennings & Co
Cincinnati	Snell's, Rice's Pat. 2.75 8.00	Sardine Scissors	Jennings & Griffin Mfg. Co. Tanged
2, \$11.00	Bow Pins-	# doz., \$4.50 Sprague, No. 1, \$2.00; No. 2, \$2.25;	Chisels and Gouges
rerrell s Nos. 1 and 2, \$8.00; No. 8,	Hotchkiss60&10%	Sprague, No. 1, \$2.00; No. 2, \$2.25; No. 3, \$2.50	Tanged Firmers' 40@40&10
Serrell s Nos. 1 and 2, \$3.00; No. 3, \$3.00 @ doz	Boxes, Mail.	Universal, & doz., \$0.00	COLD CHISELS—
Veston's40%	Heller's	Cards-	Good quality, \$ 1518c@30 Snell's Best C. S
Binder Twine—	Box Strapping—	Cotton 2% Horse and Curry 25	
White Sisal, 500 ft. to b 8c	Cary's "Universal," in case lots, 20&10@20&10&10%	Wool	Chucks— Beach Patent, each, \$8.00
Standard, 500 ft. to ib 8c	20&10@20&10&10% Braces—	Carpet Stretchers-	4'nahman'a'
Manila, 600 ft. to ib	Barbers'	Montroes' " Excelsion " . 39 dos	Combination
	Barbers' Ratchet	\$6.00	Morse's Adjustable, each, \$7.00
Bit Holders—	Tyes'.	Cast Iron Steel Points \$ doz\80c	Union Mfg. Co.:
Angular	Barbers'	Socket	Combination
Barber's, \$\pi \doz. \$15.0045@50% Ives' \$\pi \doz. \$20.0060&10%	New Haven Novelty70%	Carriage Bolts-	Independent
	New Haven Ratchet60&10% Spofford60&5%	See Bolts.	Victor, No. 1, \$8.50; No. 2, \$12.50.2
Bit Stock Drills—	C. E. Jennings & Co.: No. 108@1141/450&10%	Carriage Makers' Clamps-	Olamps—
See Augers and Bits.	No. 20834@21434	See Clamps.	Adjustable, Cincinnati25&1 Adjustable, Hammers
Blind Adjusters—	Lancaster Mach. & Knife Works40% Peck's (P. S. & W. Co.)50&10@60%	-	Adjustable. Stearns'
Domestic. * doz. \$3.00	Gen. Spofford's,	Cartridges—	Mollochie Stearns
North's	Brackets-	See Ammunition.	Cabinet Makers or Quilt Frame, Sargent's
Zimmerman's50%	Door Screen	Casters-	Carriage Makers', Sargent's DUGERAGE
Blind Fastenings and Tenons-	Shelf, Bradley's Patent	Bed	Carriage Makers', Stearns'50@50&10 Carriage Makers', P. S. & W. Co.40&
Austin & Eddy & gro. sets\$5.50 Forhan's Improved Star Tenon	Shelf, Fancy, Sargent's list40&10	French or Phila. Iron Wheel. 70 & 10@75%	ilmith's.
₩ gro. \$1.00	@50&5% Window Screen Corner60&10%	Brass Wheel	Eccentric
Holt's Tenons	Reading, Plain	Plate	Splicing Tools2
Merriman's Iron Lever 9 gr 9.00	= :	Payson's Truck70%	Warner's40&1
Millers Falls ♥ set \$1.0015&10% Security Gravity ♥ gr\$9.00 Washburne's Plate ♥ gr9.00	Bracket Saw Frames—	Standard, Ball Bearing	Cleaners, Sidewalk—
Washburne's Plate # gr 9.00 Zimmerman's	Millers Falls Co25%		Challenge Shank
Blind Hinges—	Bracket Sets- Millers Falls Co881/4%	Cattle Leaders— Humason, Beckley & Co.'s70&10%	Star Socket 4.
See Hinges.		Peck, Stow & W. Co 66%	Clippers—
Blocks—	Box Hooks, Openers and Scrap- ers—	Sargent s	HORSE— Chicago Flexible Shaft Co.'s:
Burr Mfg. Co.'s Steel	Humason & Beckley's60&60&10%	Chain-	Chicago Belt Clipping Machine,
Chishoim & Moore Crane Load Blocks 15% Cleveland Block Co. Steel 60&10@70%	Bright wire Goods—	American Halter Chain50@50&10%	Rach \$15.00 n New '98, Chicago Each 8.75 n
Eddy's	Standard. New list80%	American Proof Coil, Cask lots. F. O. B. Pittsburgh.	TOILET
Hartz' Steel	Bull Rings—	Inch. Per b.	Chicago Flexible Shaft Co.'s: 20 do
Iron Strapped, Japanned Sheaves70% Iron Strapped, Lig Vitae Sheaves60% Rope Strapped, Japan'd Sheaves.60&10%	Humason, Beckley & Co.'s80%	8-16	Mascot
L. V. Sheaves	Sargent's	5.80 5-16	Stewart Pat10.00 m
Lanes: Junior, Self Sustaining80≴	Seymour Smith & Sons60%	7-16 8-59	Clips—
Pat. Automatic	Bull Punches—	1/4	Norway Axle
Perfect Safety	Humason & Beckley's25\$	% 8.55	Superior Axle Clips00&10&1
Regular Iron Strapped Blocks 60&10&10@70%	Bush Hooks—	8.55 \$2 8.50 \$4 8.50	Coffee Mills—
Bolts-	Sec Hooks.	1 8.50	Dam and Clida KOA10/24
DOOB AND SHUTTER-	Butchers' Cleavers—	An advance of 25c. # 100 to is added on orders of less than cask lots.	Enterprise Mfg. Co. 256 Logan & Strobridge Co. net pri National Specialty Mfg. Co. The Swift, Lane Bros. Co.
Cast Iron Barrel, Square, &c50&10% Cast Iron Chain50&10%	Deatty's	Bridgeport Chain Co.:	National Specialty Mfg. Co
Cast Iron Shutter Bolts45&10%	Foster Bros. Flat Hds30%	Brown, Halter	Waddel & New Dox Milis
Ives' Patent Door Bolts	Lancaster Mach. & Knife Wks. 881/6@40%	Competition Sash50&10% Monarch Sash40&10%	Ideal Brand, New List60@60&:
Wrought Squarebekee00&10%	. & I. J. White	Triumph, Coil	Coil Chain—
Wrought Shutter, Standard list 40&10&10@50&10%		Triumph, Coll 55% Triumph, Halter 50% Covert Mfg. Co. Breast Chain Covert Mfg. Co., Halter Chain	See Chain.
Wr't Sunk Flush, Sargent's list 50@50&10x	Rutcher Knives-	Covert Mfg. Co., Halter Chain	Compasses, Dividers, &c.—
Wr't Sunk Flush, Stanley's list	See Knives.	Covert Mfg. Co., Heel Chain	Athol Culipers and Dividers Bemis & Call Co.'s:
45@45&10% Wr't B. K. Flush, Com'n, Stanley's	Dutiliers Saw Diades—	Covert Mig. Co., Stallion Chain.	Compasses
list50&10@60%	Millers Falls Co. Star 15@15&10s C. E. Jennings & Co25&10s	(derman con, history 22, 27	Dividers
Wrought Spring, Sargent's	Butter and Cheese Triers—	German Halter Chain, het sury 32, 37	Consignate Extension
CARBIAGE, MACHINE, &C.— Bolt Ends70@70&7½5	A 11 TO 1 TO 11	Jack Chain, Iron60@60&10%	
Machine	Humason & Beckley's 25&10;	Jack Chain, Brass 602560251036 Oneida:	Stevens' "Leader"25&
Carriage, Common	Butt and Rabbet Gauges-	Niagara60%	Spring Calipers and Div25&
Phila., Eagle, list June 1, '99805	(Stanley's23&105	Trace, wagon and rancy cuarte,	wright's
Sleigh Shoe869	Butts-	New List50&10@50&10&5;	
TIRE-	BRASS—	COW TIES-	Bradley's
American Screw Co.: Bay State, Plain, list Dec. 28, '99.771/55	Cast Brass, Fast Joint40&10@50; Cast Brass, Ice House40;	Niggers 45@500	Reatty's
Bay State, Finted	Cast Brass, Loose Joint 40&10@509	Covert Mfg. Co.:	Sandusky Tool Co 25ණ10@30&
Eagle Phila., list Feb. 26, '96 85, Norway, Phila., list Feb. 26, '96 82,69	Wrought Brass, list Sept. 30.40@40&57	Cotton	Shaves, Cincinnati Tool Co15@15&
Common, list Dec. 28, '99	CABI IBON-		Corkscrews—
Portchester. Norway77/20	≰ Loose Joint, Japanned bu&iu&o@iu,	Sisal209	Detroit Cork-Screw Co
STOVE AND PLOW-	60&10&5@70		Humason & Beckley Mfg. Co 40&
Plow60&10	Z Loose Pin	Aluminum S. & N. Co) Samson
Stove, List Dec. 28, '997734	Parliament Butte	Chain Hoists-	Corn and Fodder Compress
MISCELLANEOUS -	Fast Joint, Broad	Moore's "Anti-Friction"80;Moore's "Direct"50;	
Sink	a case a order traition		



		WAILE	09
Corn Hooks— \$\psi\$ doz Kretsinger Cut-Easy\$8.00 net	Egg Beaters—	Forks-	Halter Chain—
Corn Knives and Cutters—	Dover Stamping Co.: New Dover, & doz. 75 cts., & gro.\$7.50	Steel Goods Association List, Aug. 1, 1899.	See Chain.
Bradley'snet	Kavetone Solve & Goz. 2.00	Barn or Ice Forks40&5	Hammers—
Wadsworth'snet	Spiral	Ballast or Stone Forks	HANDLED HAMMERS— Humason & Beckley40&10%
Countersinks—	Standard Co.: #gro. Dover, No. 5\$5.50	Coal Forks	Magnetic Tack Nos 1 9 8 61 95
Mayhew's Diamond 40% Smith's 25%	Dover, No. 10	Hay Forks, Four Tine, Standard Size	\$1.50&\$1.75. 40&10g H. & B., Tack. 50&10g Maydole's 8314&5@40&10g Peck, Stow & Wilcox 40@40&10g
8nell's	Dover, Extra Heavy, No. 1512.00 Rival 9.00	Hav Header and Raler Forks Four	Peck, Stow & Wilcox 40@40&10%
Crayons—		Tine	A. E. Nail
Sargent's List20%	Emery— Genuine Turkish Welnele Mills	Grain of Barley Forks/U&1U&23466	Sargent's New List45@45&10%
Dixons: # gro. Eclipse	Genuine Turkish Walpole Mills, No. 6 to 46, 36 h	Heavy Mill, Manure or Street Forks. 75% Oyster Forks	Verree
Emerald	No. 54 to 150, % 15	Potato Digging Forks	HEAVY HAMMERS AND SLEDGES-
Rainbow	Enameline— % gro.	Shaving Forks	8 to 5 lb
	No. 4 \$4.50	Socket Hay Forks, Four Tine66% &5% Socket Manure Forks, Four Tine70%	Under 3 1b \$1 1b 40c } 8 to 5 1b \$1 1b 86c 8 to 5 1b \$1 1b 80c Over 5 1b \$1 1b 80c 75 &10@80\$ Wilkittson's Smiths 914c@10c \$1 1b
Curry Combs— Fitch's Listnet prices	No. 6	Socket Spading Forks, Four Tine.	Hammock Ropes—
Kohleria 90/2014	Escutcheons—	70&5&5&2145 Spading Forks	Covert Mfg. Co.:
New York Stamping Co. List, Sept. 17, '97. 40% Perfect. 40% Rubber, # doz. \$7.50. 20&10% Southington Cutlery Co.'s25&10%	Wood25≰	Stone Picking Forks	Jute
Rubber, # doz. \$7.5020&10%	Expansive Bits-	Hay Forks, Three Tine, Standard Size	Hand Cultivators-
	See Augers and Bits.	Hay Header and Baler Forks, Three	Ulrich Mfg. Co.:
Cycle Hangers— Lane's	Farriers' Knives— 🔻 doz.	Tine	Osborne's # doz., \$15.00
Diggers—	"Challenge"\$8.00 Popes8.00	Size65%	Handles-
See Post Hole, etc.	Wilkinson's	Fruit, Wine and Jelly Presses.	IRON, WROUGHT OR CAST—
Dividers-	Faucets—	Enterprise	Chest Handles, Sargent's50&10% Chest Handles, Stearns' No. 1, Door
See Compasses, Dividers, etc.	Brass Globe Cocks65@65&5%	ry Pans -	Nos 0 1 2 8 4
Dog Collars—	Brass Racking	Acme Fry Pans	₹ doz\$.90 \$1.00 \$1.08 \$1.85 \$1.50
Chapman Mfg. Co.'s New List: Chain (full assortment) 40%	Compression Bibbs with flange	Standard List	50&10% Drawer Handles
Leather (full assortment)40&10% Pope & Stevens:	Lever Handle Bibbs, Gr. Kv.	# doz. \$8.00 \$8.75 \$4.25 \$4.75 \$5.25 No	Roggin's Latches 85@85&10% Shelf Box Haudles
Brass	Rgh	% doz\$6.00 \$7.00 \$8.00 \$9.00	Trunk Handles
Leather	Red Cedar	Fuse-	Tub Handles
50@50&10 %	Red Cedar, bbl. lots	# 1000 ft. Hemp Fuse \$2.60	STORE DOOR HANDLES— Bronzed, with Cylinder Lock50%
Door Bolts See Bolts, Door.	John Sommer's "Boss," Tin Key 50% John Sommer's "Victor," Metal	Cotton Fuse 2.90 Single Taped Fuse 3.25	Bronzed
Door Checks-	John Sommer's "Victor," Metal	Double Taped Fuse	Japanned, with Plate
Bardsley's	Key	•	DOOR PULL—
Columbia	John Sommer's "Buckeye," Metal	Gate Hinges— See Hinges.	Bar
Home	John Sommer's "Rochester," Metal	Gauges—	Barn Door
Ogden's	John Sommer's "Rival." Metal Kev.504	Bemis & Call's Steel50%	Drawer Pulls
Door Holders—		Boss, Screw Pitch	Push Plates, Sargent's List. 60@60&10% Sash Pull Plates
Empire50%	Key	Marking, Mortise, etc 55&10@55& 10&10%	Plain B. M
Door Springs Champion (Coil) 50c	John Sommer's "Union," Lock 50%	Stanley's	WOOD-
Champion (Coil)	John Sommer's "I. X. L.," Cork Lined	Blarrett's Burlace, Center and	Anger second 20 on 40 OK@9 50
Rubber, complete, \$\vartheta\$ doz. \$5.50.45@50% Star (Coil), list Oct. \(\vartheta 5 \dots \dots \)	Lined	Scratch	Auger, large 97. 8.00@3.25 Auger, Douglass Pat. 8 set, No. 1, \$1.0 : No. 2, \$1.40.60&10% Auger, Ives Pat., No. 1. 60&10%
Torrey's Rod, 89 in., \$ gro\$15.00 Torrey's Rod, 43 in., \$ gro 42.00	John Sommer's "Common" Cork	\$2.00 net. Stube' Wire and Drill20%	\$1.0 ; No. 2, \$1.40.60&10% Auger, Ives' Pat., No. 160&10%
Victor, Coll50&10&10%	John Sommer's "O. K.," Cork	Wire, Moree's	No. 2 to 8214
Drain Cleaners—	Lined 70% John Sommer's "O. K.," Cork Lined 50% John Sommer's "Chicago;" Cork	Wire, Wheeler, Madden & Co10%	\$1.00; No. 4, \$1.25
I wan's Adjustable	John Sommer's "Perfection," Cedar. 40s John Sommer's "No Brand," Cedar.	Gimlets-	Chisel, Worcester, Leather Cap'd 1.50
Drawer Pulls—	50&1 0 %	"Diamond" Gimlets, \$\forall \text{gr}\\$4.00@\\$4.25 Double Cut40&1(@50%	Disston's Crosscut
Sargent's List60x	Star60@60&5%	Metal Head	Firmer Chisel, Apple, assorted, # gr. \$2.25@2.50
Drawing Knives-	SELF MEASURING-	Swan's, German Pattern 40&10%	Hammer, Hatchet, Axe, Sledge, etc., 50&2%
Adjustable Handle25@25&10≴	Enterprise * doz. \$36.00	Gimlet Bits-	Hoe, Rake and Fork 60&10@60&10&5% "Simplicity" File Handles, # gr.
Bradley's	National Specialty Mfg. Co88165	See Augers and Bits.	\$.90@1.50
Jennings & Griffin	Filos—	Glass Cutters—	Saw and Plane
Ohio Tool Co	DONESTIC-	"Woodward"net prices "Red Devil"net prices	50@50&10≴ CROSS-CUT SAW HANDLES—
Witherby	New List, Nov. 1, 1899.	Globe and Racking Cocks—	Atkins
L. & I. J. White	American	See Faucets.	-
Drills and Drill Stocks-	J. Barton Smith	Glue-	Hangers— Barn Door, old pattern60&10%
A utomatic Boring Tools	Disston's Superfine	Dodd's Liquid Glue25&25&10x	Barn Door, New England6634@70%
Blacksmiths'	Great Western	Le Pages Liquid	Barry, \$6.00
Breast, Goodell's25@80s	Keystone 80@80&10	Martins	Challenge Barn Door
Breast, Millers Fails, each \$8.00.15&10% Clamp	Nicholson	Enameled	No. 0
Ratchet, Ingersoli's25%	Royal	Tinned40@40&5%	No. 5 6.50 " 60&10&5%
Ratchet, Merrill's20@20&5% Ratchet, Moore's Triple Act25@30%	IMPORTED-	Graters	Cronk's Steel, cov'd, Loose Axle.60&5%
Ratchet, Fletcher's	StubsStubs' list, 30@381/4%	Griddles—	Coburn
Ratchet, Weston's	Filters—	Cronk's70%	Duplex (Wood Track) 60&10&5% Kidder's50@50&10%
Stearns' Bench	Acorn	Grindstone Fixtures—	Lane's Barn Door: Barn Door, Standard60&10%
Hand, Goodell's	Subject to trade discount.	P., S. & W. Co	Covered50&10&10&5% Special60&10%
Adjustable No. 10, \$12.0088145 Wilson's Drill Stocks	Fish Hooks—	Stowell	No. 50
TWIST DRILLS-	Amer. Fish Hook Co. list 60@60&10	Gunpowder-	Parlor: Standard # set, net,\$3.25@ ——
See Augers and Bits.	Kirby & Limerick, low list (50c base).10x	See Ammunition.	Ball Bearing . " 4.00@ — New Model " 2.75@ — New Champion " 2.40@
BLACKSMITHS' Coe's	Fish Scalers— Covert's Saddlery Works:	Gun Wads— See Ammunition.	New Champion " 2.40@ ——
Prentice 60%	Great American 60&20%	Hafts—	Manhattan
Drug Mills-	Fitch'snet prices	Britton's₩ doz. \$6.50	\$18.00; No. 1 Special, \$15.00, 39 dozen pairs
National Specialty Mfg. Co30% Enterprise Mfg. Co25@30%	Fluting Scissors—	Halters—	Richards' Single Track, Steel40&10% Richards' Anti-Friction50%
Easy Lawn Swings— % doz	Forges-	Covert Mfg. Co: Jute Rope Halters	Victor, No. 1, \$15,00; No. 2, \$20.00; No. 8, \$25.00; No. 4, \$85.00.60&10&234\$
Urich Mfg. Co \$85.00	Boynton & Plummers60%	Sisal Rope	Warner's Patent
-			



Harness Snaps—	Special Hoes 75&10&2%	Lyra, all sizes	Lawn Sprinklers—
See Snaps.	Special Mortar Hoes	Mand S 25c 28c 22c 21c 21c 50% Neponset	Enterprise
Hasps and Staples— McKinney's "Perfect," \$1.10 \$\times doz.50%	'LOV Ladies' and Hove' Hoes. /Udciud: Ud	25@25&5 6	Philadelphia Lawn Mower Co.: Philadelphia Lawn Sprinkler:
Wrought	Truck Hoes	Putnam 28c 21c 20c 19c 18c 88 48 Snowden 914c 914c 914c 914c 914c net Vulcan 28c 21c 20c 19c 18c .25&10s	No. 1. No. 2. No. 8. W doz. \$12.00 \$15.00 \$24.0030%
Hatohets— See Axes.	Hollow Augers—	Horse Shoes— Horse and Mule, per keg\$8.75	Leaders— Covert Mfg. Co. Cattle45%
Hay Hooks—	See Augers and Bits.	Burden's, all sizes	Lead Pipe, Etc.
Humason & Beckley 60&10%	Hollow Ware—	Diamond State, Shoenberger, Creecent, &c	Load Pine full langths .60
Hay Racks—	Agate Nickel Steel Ware list July.	Factory Shipmen's.	Lead Pipe, cut lengths 546 Lead Pipe, Tin Lined 124cc Block Tin Pipe 874cc Sheet Lead, full rolls 70cc
Baxter Wrought Iron, No. 1. \$1.00, net; No. 2, \$1.50, net.	1899	Horse Ties-	Sheet Lead, cut rolls
Hay and Straw Knives—	Jan. 2, 1895	Covert Mfg. Co.:	Sheet Lead, cut rolls
Auburn Hay, Com. and Spear Point .50% [wan's Hay, Sickle Edge, 9 doz. net \$10	70&10@70&10&10	Hemp	Lemon Squeezers—
iwan's Hay, Imp. Serrated & doz.	Iron Clad: Peppered Ware, high list	Sisal20%	Berger Bros. % doz. 8-in. \$1.00; 10-in, \$1.40
Auburn Straw	Mottled Ware, high list75% Never Break Enameled50&5@50&10%	Hose, Rubber—	Dean's, Nos. 1, \$\Psi \text{doz. \$6.50; 2, \$8.85;} \\ 8, \$1.65; \text{Queen, \$2.50, net} \\ \text{Hotchkiss, Straight Flush, \$\Psi \text{doz. \$9.60} \end{array}
Wadsworth's40%	STOVE HOLLOW-WARE— Ground	Boston Belting Cc.:	Jennings' Stat W doz. \$1.90@2.00
WROUGHT IRON HINGES-	Unground	Competition	Little Glant
Rolled Blind Hinges, Nos. 32 and 84,	WHITE ENAMELED WARE—	N. J. Car Spring & Rubber Co.: Extra Para	Porc. Lined, Wood
Rolled Plate	Boilers and Saucepans50@50&10% Maslin Kettles	Reliable	Wood, Common, \$\pi\$ gross, No. 0, \$5.00; No. 1, \$6.50; No. 2, \$10.00,
Rolled Raised	Tinned Boilers and Saucepans, 50@50&10%	Standard70&10%	Letter Box Plates-
8@81/c. Screw Hook 14 to 90 in., \$ b, and Strap, 24/@31/c.	silver-PLATED— 4 mo. or 5% cash in 80 days.	Constant Ice Pick 28 gr. \$9.00 net	Name Door Plate
and Strap, 28/4@3/4c. 28 to 36_in., 30 fb, 2/4@8c.	Hartford Silver-Plate Co40&5% Holmes & Edwards Silver Co.40&15&5%	Crownnet	Number Door Plate 60@60&109 Sargent's 60&10@709
STRAP AND T HINGES.	Meriden Britannia Co	Gem Ice Shave net Sargent's Ice Awis 55% Snell's 50%	Levels-
New List, March 15, 1901. Light Strap	Rogers & Brother 40&5% Simpson, Hall, Miller & Co40&5%	Starnet	C. E. Jennings & Co.'s: Hexagon
Heavy Strap	William Rogers Mfg. Co40&10%	Ice Cream Freezers-	Iron Bench, new design 95&10)
Light T	Hooks AGRICULTURAL	See Freezers, Ice Cream.	Lifters— See Transom Lifters.
Long Chest	Potato, all kinds	Ice Shredders—	Lines-
Long Cheet Hinge Haspe and Staples 60% Crate Hinges 75% Crate Haspe 60% Corrugated Heavy Strap 80% Corrugated Heavy T 75&10% Lapanned Light Strap 60%	Manure	Enterprise, No. 88. \$\varphi\$ dos. \$6.0025\(\)80% No. 84. \$\varphi\$ dos. 15.0026\(\)80%	Cotton and Linen Fish, Draper's 50; Cotton Chalk, 20 feet 60& 10;
Corrugated Heavy Strap80%	BUSH-	Jack Chain—	Cotton Trot
	Jennings & Griffin's883/ &5%	See Chain.	Colored Cotton40&10
Japanned Heavy Strap 50&10&55 Japanned Light T 60x Japanned Heavy T 50&10&55 Japanned Extra Heavy T 55	CORN— Kretzinger Cut-Ezy \$\pi\$ doz. \$\pi\$ net	Jack Screws— See Screws.	Flax
Japanned Rxtra Heavy T	CAST IRON—	Kettles—	\$2.5010 Silver Lake, Braided, No. 0, \$6.00
Japanned Long Chest	Bird Cage, Sargent's list60&10&10% Bird Cage, Reading60@60&10%	Spun Brass, Plain	No. 1, \$6.50; No. 2, \$7.00; No. 3, \$7.50 9 gross
Galvanized Hinges with Iron Pins, • 65&10%	Rimi Cage. Williamson	Metal10@15%	Ventilator Cord, Samson Braided, White or Drab Cot. # dos. \$7.50 \$0
Galvanized Hinges with Brass Pins, 60&10%	Ceiling, Sargent's list	Knives-	Silver Lake, Braided, No. 0, \$6.00 No. 1, \$6.50; No. 2, \$7.00; No. 3, \$7.50 % gross
SPRING HINGES— Bommer's Brothers.	Clothes Line, Sargent's list50&10% Coat and Hat, Sargent's list50&10% Coat and Hat, Reading60&10%	Ames': Bread Knives, \$\Phi\$ doz \$1.5020x	Loaded Shells—
Bommer Spring Hinges40% Bommer B. B. Floor Hinges40%	Coat and Hat, Stowell's	Butcher Knives	See Ammunition. Locks—
Bardsley's Patent Checking	Lamp. 55% Picture 70%	Cronk's Chopping	Door Locks, Latches, &c.
Sargent's List, 1894: Bronze-Metal	Screw Hat	Foster Bros.' Butcher, &c80% Goodell's:	Branford Lock Conet price Champion Night Latches40
Japanned Surface, Single70&10% Japanned Surface, Double60&10%	WROUGHT IRON AND STEEL-	Bread Knives Ass'n listnet Butchernet Shoe Knives40%	Lockwood Mfg. Co
Mortise	Cotton Pat. (N. Y. Mallet & Handle	E. Hartzeil's 80&5% Hay and Straw, seq Hay Knives.	Norwalk Lock Co
Tuscan Surface, Double60&10%	Works)20% Hammock Hooks, E. C. Stearns,	Table and Pocket, see Cutlery. Wilson's Butcher Knivesnet	R. & E. Mfg, Co:
Vigilant	39 doz50c		Sargent & Co
Union Mifg. Co	Picture, T. & S. Mfg. Co	See Hay Knives.	CABINET-
Wiles', No. 1, \$2 gr., \$16.00; No. 2, \$18.00	See Wrought Goods.	Knobs-	Ragle Lock Co
GATE HINGES— Clark's, Nos. 1, 2, 8 50&10@80&10%	Enterprise40%	Bardeley's Wood Door, Shutter and Base	PADLOCKS—
N. E., & doz. \$7.80	Humason & Beckley80&10%	Base, Rubber Tip, 214 in. Bead, 26 gr. \$1.50 Carriage, Jap. \$\tilde{\pi}\$ gr. \$0.60 Door Mineral, R. & E. list 50% Door Por. Jap'd, 50% Door Por. Nickel, \$\tilde{\pi}\$ 60% Picture, Judd's 50%	Acme Bicycle and Satchel, \$ doz.,
N. Y. State, \$\pi doz. \$4.90 60% Shepard's, Nos. 1, 2, 860&10%	WIRE— Atlas Coat and Hat45%	Door Mineral, R. & E. list508 Door Por. Jap'd,508	\$9.00 40 Ames Sword Co 40 Brown's Bress
Western, \$\pi\$ doz. \$4.2060\$	Atlas Coat and Hat	Picture, Judd's	Brown's Brass
BLIND HINGES— Clark's:	Wire Coat and Hat, Acme50&10@50 &10&54	Picture, Sargent's	
Lull & Porter, Nos. 0, 1, 114, 2, 214, 3	Wire Coat and Hat, Gem50&10@50 &10&5%	Latches—	McWilliams
Nos, 1, 8, 5,	Wire Coat and Hat, Standard45%	© doz. Cronk's Barn Door Net, \$2.25	Wrought Iron
Nos. 40 and 50	MISCRILANROUS-	Lane's Barn Door	TRUNK—
Bargent's, Nos, 1, 3, 5, 11, 1870&10s W. H. Co.'s No. 2 Mortise Gravity60s		Champion	Corbin's \$5&10
Stanley's Steel Gravity Blind Hinges, with Screws, \$1.80 \$ doz. sets. 80&10%	Grass No. 2, \$1.65; 8, \$1.80; 4, \$2.00 Hooks and Eyes—Brass60&10% Hooks and Eyes—Mal. Iron70@70&10%	Chipper improved	Machine Bolte-
Hitching Cords—	Cotton, Box and Hay	Challes M. O. C. W. Tr. 70.8-10s	See Bolts.
Covert Mfg. Co	Horse Clippers—	Style A. (all steel)	Mail Boxes— See Boxes, Mail.
Hoes-		Style E., LOW Wilcol	
Steel Goods Association List, Aug. 1,	See Clippers.	Drawel low list	Mallets-
1899. Asphalt Hoes654	Horse Nuils-	Styles A. (all steel)	Sargent's List: Hickory50@50&1
1899. Asphalt Hoes	Horse Nails— Nos. 6 7 8 9 10 A. C25c 28c 22c 21c 21c	Imperial60&10&10	Lignumvitæ50@50&1
1899. Asphalt Hoes	Horse Nails— Nos. 6 7 8 9 10 A. C25c 28c 22c 21c 21c 40&10s American, all sizes	Imperial	Lignumvite50@50&1 Mattocks—
1899. Asphalt Hoes	Horse Nails— Nos. 6 7 8 9 10 A. C25c 23c 22c 21c 21c 40&10x American, all sizes	Imperial	Lignumvitæ
1899. Asphalt Hoes	Horse Nails— Nos. 6 7 8 9 10 A. C25c 28c 22c 21c 21c 40&10% American, all sizes	100	Lignumvitæ
1899. Asphalt Hoes	Nos. 6 7 8 9 10	Sect American 1002-102-103-103-103-103-103-103-103-103-103-103	Lignumvite
1899. Asphalt Hoes	Horse Nails	Imperial	Lignumvits



			91
Enterprise	Oilers-	Pliers and Nippers-	Hay Fork, Swivel Eye, & dos.,
Enterprise	Brass and Copper	Button's	4-inch 4 8 75 · A-inch 4 5 00
Nos11 19 18	Cushman & Denison's:	Carew's Pat. Wire Cutters	Hay Fork, Hartz, 4½-inch, \$\psi\$ doz., \$6.00
Nos	Leader 60 Perfect Orlers 1.50 Star Pocket Orlers .75	Button Pattern	
		Flat and Round Nose	₩ doz., \$12.00
Nos 305 810 812 820 822 \$35 \$48 \$44 \$72 \$68 Miles' Challenge, \$35 doz45@45&10%	Brase 70.2.10x	Stubb's Pat. Pliers	Shade Deek
Nos 2 3	manicable, mammers, Mew Gryle,	Wire Cutter and Bender60% Hall's Nippers, \$\forall doz., No. 2, 5 in.,	
\$22 \$30 \$40 Woodruff's, \$6 doz	Malleable, Hammers, Old Pattern,	Hall's Nippers, \$\tilde{9}\ doz., No. 2, 5 in., \$18.50; No. 4, 7 in., \$21.0040&10 Hall's Pliers	Pumps—
Nos 100 150 \$15 \$18		Humason & Beckley Mfg. Co.50@50&10% Wm. Johnson's Gas Pliers	Cistern, Best Grades 50&10@60% Pitcher Spout, Best Grades70&10%
Beef Shavers (Enterprise)25@30% Chadborn's Smoked Beef Cutter	"Paragon," Brass 5J&10460% "Paragon," Zinc 70@70&10% Tower & Lyon Bicycle 25% Wilmot & Hobba Mer Co le Steal	Morrill's Parallel, \$\pi\$ doz. \$12.00. 80&5% Smith's Side Cutting25%	W W Myore & Rec.
₩ doz. \$ 60.00	Wilmot & Hobbs Mfg. Co.'s Steel Anti Rust	P. S. & W. Cast Steel 500050825%	Well Pump\$18.00
Meat Juice Extractors—	Zinc and Tin60&10@65%	P. S. & W. Tinners' Cutting Nip- persadd 6% dis. 10%	No. 1, Fig. 328, 8 in. Shallow Well Pump
Enterprise	Oil Stones, etc.—	Plow Bolts-	No. 5, Fig. 807, 8 in. Deep Well Pump
Metals, Anti-Friction-	OIL STONES— Pike's Washita:	See Bolts.	Pump
Magnolia Metal Co.:	Lily White, # 15 \$.60	Plumbs and Levels—	No. 14, Fig. 521, 8 inch Deep or Shallow Well Pump 15,00 No. 82, Fig. 523, 8 in. Deep Well
Magnolia, Anti-Friction	Pike's Washita Mounted No. 1: # doz. 8x2	Cook's 40&10&10 Davis':	No. 82, Fig. 523, 8 in. Deep Well
Mystic	7x2	Inclinometers	Pump
<u>-</u>	5x2	Disston's	Well Pump
Melting Ladles— fonroe's Patent₩ dos. \$4.00, 40%	81/4x1 5.50 Discount, 883/4&10%.	Machinists'	No. 59, Fig. 832, 814 in. Shallow Well Pump
P. S. & W	Pike's Washita Axe Stones:	Stanley's	No. 70, Fig. 883, 214 in. Deep Well Pump
Reading	About 2x2x3/4 to 11/6, \$\pi \text{h}	Stratton's Pat	Pump 15.00
Varner's80%	Discount, 881/48. India Oil Stones	Poachers—	No. 78, Fig. 888, 814 in. Deep Well Pump
Mitre Boxes—	Packing, Steam—	See Egg Poachers.	No. 102, Fig. 448, 8 inch Lift Pump 9.00
E. Jenninge & Co	RUBBER-	Police Goods—	No. 108, Fig. 448, 814 in Lift
Mop Wringers—	Boston Belting Co.: "Boston"	Tower & Lyon's 25%	Pump
atchless (Canton, O.), \$\vartheta\ doz\$12.00	"Excelsior" Plumbago, Pure, \$\\ \text{ib \$1.00}50&10\$\(\)	Polish Metal-	No. 181, Fig. 510, 814 in. Lift Pump. 8.50
Motors-	Extra 60%	Prestoline Liquid, New List40% Prestoline Paste881/2@40%	No. 225. Fig. 889. Windmill
COFFEE MILL	Standard, Fair Quality70&10@75% MISCELLANEOUS— % 15	U. S. Metal Polish Paste, 8-oz. boxes, 3 doz	No. 285. Fig. 408. Windmill
pecialty Novelty Coeach \$5.00	American Packing 9c@10c	% gross	Pump
Nails—	Cotton Packing	1 Th. hoves 20 dos 9.95	No. 265, Fig. 578, Cyclone Tank
WIRE AND CUT NAILS— See Review of the Markets for	Jute	U. S. Liquid, 8-oz cans, # doz 1.25 # gross	No. 267, Fig. 488, Geyser Tank
anotations.	Padlocks-	₩ doz 1.75	Force Pump
Fire Nails and Brads, Papered, Ass'n list, July, 1899	See Locks.	₩ gross 18.00	Tank Force Pump
PICTURE—	Parers-	Polish, Stove— Dixon's Plumbago # 15	complete
rass Head, Combination list50% rass Head, Sargent's list 70@70&5%	APPLE—	Joseph Dixon's 9 gro. \$5.75, 10%	Pama 5 (II)
iles' Patent	Baldwin 5.00 Bonanzaeach 5.00	Gem	No. 880, Fig. 547, Knapeack Spray Pump 10.00 Discount, 50% f. o. b. Ashland.
orcelain Head, Sargent's list50%	Dandyeach 7.50	Poppers, Corn— Round or square. # doz. # gro.	
FURNITURE—	Eureka, 1898each 16.00 Family Bay State	Round or square, % doz. % gro. 1 qt	Punches—
ina	Improved Bay State\$27@80.00 Little Star4.00	2 at	Bemis & Call Co.'s: Cast Steel Drive50&5\$
Gilt	New Lightning 5.00 Penn 8.75	Quincy Corn Popper, 1 qt., \$\tilde{q}\$ dos. \$8.00; \$\tilde{q}\$ qt., \$\frac{4}{3}.00	Check
Nail Pullers-	Dowloodian 4.00	Post Hole Diggers— * doz.	Springfield Socket
ax, 5 lbs	Reading, 78	Disston's Samson Digger\$34.00, 25% Iwan's Split Handle, # doz. net\$8.50	Missess Walless And
ack Hawk, % doz	Turntable, Old Style	Iwan's Perfection, # doz. net\$9.00 Ryan's # doz. \$20.00, 25%	Saddlers' or Drive, good60@65%
reka, No. 74	Reading, 78	Post Hole Augers—	Spring, good quality, \$\pi doz., \$1.70@1.80
ant, No. 1, \$\pi\$ doz. \$18.00; No. 1\(\frac{1}{2}\), \$16.50; No. 2, \$15.00	POTATO— \$\psi\$ dos. Saratoga\$5.50	Iwan's Patent Improved40%	Niagara Bolid 53% Saddlers' or Drive, good
antning w doz. sig.ou, 20%	White Mountain 4.50	Vaughan's, 6 to 9 ln., \$\varphi\$ doz. net \$6.00 Potato Hooks, etc.—	₩ doz
lonal	Pencils	Hoe Down Hooks	20&2s
anton Improved, in Case Lots: mall, No. 8	Dixon's: ## gro. Carpenter's\$\$.67@8.75	Hop Hooks	
" No. 8 B	Carpenter's	Powder-	Barn Door, Light, In. 14 56 34 9 100 feet \$1.40 1.45 3.60 Barn Door, "None Better" No. 1.
arge No. 1 22 dog 6 80	Lead 2.18@4.88	Ses Ammunition.	Barn Door, "None Better" No. 1, \$ foot
No. 2 9 dos. 5.75 No. 2 B 9 dos. 5.50 No. 2 D 9 dos. 4.50	Lumber	Presses—See Fruit and Jelly Presses.	# foot
" No. 2 D	Mascot, Round	Primers—	Angular, & foot, 6c
rk Rme 97124	Percussion Caps— See Ammunition	See Ammunition.	Angular, \$\psi\$ foot, 6c
mason's Diam'd Point, \$6 gro. \$12, 25% mason's	Picks—	Pruning Hooks and Shears-	Cronk 8: # 100t.
28) GTO	Railroad or Adze Eye, 5 to 6, \$19.00.	Chamble Develop Channe 001/4	O. N. T. Style, No. 18 8 c Double Braced
agon 4.00@4.75	6 to 7. \$18.00	Cronk's Fruning Snears	O. N. T., 1 in
ind, assorted 8.00@3.25 are. 4.00@4.25	Planes and Plane Irons-	Disston's Pruning Hook, 9 dos.,	Standard, 134 in
ll's:	WOOD PLANES-	neury 8:	Sliding Door, Bronzed Wrought
ctagon\$4.75 orrugated	Bailey's (Stanley R. & L. Co.) 50&10@60%	Pruning Shears 50 & 5% Orange 50 & 30%	O. N. T., 14 in
inurled 9.00	Bench, First Quality	Grape	Sliding Door, Wrought Brass, 1½ in.,
ne KOM	C. E. Jennings & Co	E. S. Lee & Co.'s Pruning Tools40% P., S. & W. Co.'s Shears	♥ 10, 80c
ith's Cutting	IRON PLANES-	P., S. & W. Co.'s Shears	Rakes, Etc.—
iut Crackers— ¥ gro.	Chaplin's Iron Planes. 50&10@60g	Wheeler, M. & C. Co.'s Combinstion	Cronk's:
ne, Japanned \$30.0040% ne, Nickel Plated 80.0020%	C. E. Jennings & Co., Iron 50&10% Sargent's	Pulleys—	Wrought Steel Garden60&20s
ner & Seymour Mfg. Co50%	Stanley Rule & Level Co.:	Awning	Queen City Lawn
uts- Off list.	Bailey's	Brass Screw	Steel Tar or Apphalt Rakes
percent covers blank Ar so	Steer's Iron Planes	Ceiling50@10&60% Clothes Line, Japanned60% Common Sense	Turf Edger
pressed, hexagon, blank	PLANE IRONS— Anhurn "Thistle"	Common Sense	Turf Edger 60&55 Prize Bow Braced Steel 70&5&95 Peerless Shank 70&5&24
l punched, plain, square, blank 5.10	Auburn "Thistle"	Fox-all-steel:	Peerless Socket
pressed, nexagon, tapped	Buck Bros	Nos. 8 & 7, 234-inch wheel, \$\pi\$ dos25c No. 9, 134-inch wheel, \$\pi\$ doz 20c	Rasps, Horse—
pped	C. E. Jennings & Co 25&10s	No. 10, 2-inch wheel, \$\vec{a}\ \text{doz}25c Extra for plated finish, \$\vec{a}\ \text{doz}20c	Disston's 701
punched, plain, hexagon,	Stanley Rule & Level Co50&10% L. & I. J. White20&5@25%	Extra for antique bronze bushing,	New Nicholson Horse Rasp706 See also Files.
			and a now.



Harness Snaps—	Special Hoes	Lyra, all sizes	Lawn Sprinklers— Enterprise
ee Snaps.	Sunhem Meadow Hoes	Neponset	Gibbs, Hastiet A doz. p.m
Hasps and Staples—cKinney's "Perfect," \$1.10 % doz.50%	Toy Ladies' and Boys' Hoes. 70&10&10%	23@256696 Pritram 98c 91c 90c 19c 18c 28146	Philadelphia Lawn Mower Co.: Philadelphia Lawn Sprinkler:
7rought	Truck Hoes	Snowden914c 914c 914c 914c 914c net Vulcan28c 21c 20c 19c 18c .25&10%	No. 1. No. 2. No. 8. Todoz. \$12.00 \$15.00 \$24.0090%
Hatchets—	Hollow Augers—	Horse Shoes—	Leaders—
Hay Hooks—	See Augers and Bits.	Horse and Mule, per keg	Covert Mfg. Co. Cattle45%
umason & Beckley 60&10%	Hollow Ware—	Bryden, Phœnix, Terkins, &c 3.75 Diamond State, Shoenberger, Cres-	Lead Pipe, Etc.
Hay Racks-	RNAMELED— Agate Nickel Steel Ware, list July,	cent, &c\$3.75&5% Factory Shipmen's.	Lead Pipe, cut lengths
axter Wrought Iron, No. 1, \$1.00,	189985%	Horse Ties-	Lead Pipe, cut lengths 646 Lead Pipe, Tin Lined 1246 Block Tin Pipe 3746
net; No. 2, \$1.50, net.	Granite Ware, list Jan. 1, 1894, revised Jan. 2, 1895	Covert Mfg. Co.:	Sheet Lead, full rolls
Hay and Straw Knives— uburn Hay, Com. and Spear Point .50%	Second Quality, Agate Nickel Steel .65% Second Quality, Granite,	Cotton	Quantity discount, 20%
wan's Hay, Sickle Edge, P doz. net \$10	70&10@70&10&10% Iron Clad:	Inta354	Lemon Squeezers-
van's Hay, Imp. Serrated & doz. net\$10.50 uburn Straw40%	Peppered Ware, high list	Sisal20%	Berger Bros. # doz. 8-in. \$1.00; 10-in, \$1.4020x
uburn Straw	Never Break Enameled50&5@50&10%	Hose, Rubber—	Dean's, Nos. 1, \$\psi \delta \sigma \
ghtning, from jobbers60&5% adsworth's40%	STOVE HOLLOW-WARE-	Boston Belting Cc.:	Hotchkise, Straight Flush, & doz. \$9.60
Hinges—	Ground	Competition	Little Glant. 50@50&51 Porc. Lined, Iron \$3.85@\$8.50 Porc. Lined, Wood \$6.00 50&10@40
WROUGHT IRON HINGES-	WHITE ENAMELED-WARE—	Rxtra	Porc. Lined, Wood doz. \$8.00
olled Blind Hinges, Nos. 82 and 84, 50&10%	Boilers and Saucepans50@50&10%	Reliable	30&10@40; Wood, Common, ₩ gross, No. 0, \$5.00;
olled Plate	Maslin Kettles	Staple	No. 1, \$6.50; No. 2, \$10.00,
6 to 19 in., \$15,	50@50&10% SILVER-PLATED—		Letter Box Plates—
crew Hook 14 to 90 in., \$ fb,	4 mo, or 5% cash in 80 days.	Constant Ice Pick # 27. \$9.00 net	Name Door Plate 50@50&10s Name Plate 70s
X5X TO 3/0 111., 49 10,	Hartford Silver-Plate Co40&5% Holmes & Edwards Silver Co.40&15&5%	Copeland Ice Pick 9 gr. \$9.00 net Crown	Number Door Plate 60@60&10; Sargent's
2)4@8c.	Meriden Britannia Co	Gem Ice Shavenet Sargent's Ice Awis55%	Levels-
STRAP AND T HINGES. New List, March 15, 1901.	Rogers & Brother40&5%	Snell's	C. E. Jennings & Co,'s:
ight Strap	Simpson, Hall, Miller & Co40&5% William Rogers Mfg. Co40&10%	Ice Cream Freezers	Hexagon
ight T	Hooks-	See Freezers, Ice Cream.	Lifters-
eavy T	AGRICULTURAL-		See Transom Lifters.
	Potato, all kinds	Ice Shredders— Enterprise, No. 88.# dos. \$6.0025@80%	Lines.
linge Hasps and Staples 60% E trate Hinges 60% E trate Hasps 60% E torrugated Heavy Strap 80% Corrugated Extra Heavy T 75&10%	Iowa F. T. Co.'s Clam 60&10&2145	No. 84. \$\dos. 15.0025@80%	Cotton and Linen Fish, Draper's 50 Cotton Chalk, 20 feet 60 & 10
orrugated Heavy Strap80%	BUSH-	Jack Chain—	Cotton Trot881/4
	Jennings & Griffin's88 1/2 &5%	See Chain.	Masons': Colored Cotton40&10
apanned Heavy Strap	CORN-	Jack Screws-	Flax 40&10 No. 0 to 5 Samson Cotton, No. 4, \$2.00; No. 41 \$2.50 10
apanned Heavy T	Kretzinger Cut-Ezy & doz. \$8 net	See Screws.	Samson Cotton, No. 4, \$2.00; No. 4%
apanueu nunge naspe	GAST IRON-	Kettles—	Silver Lake, Braided, No. 0, \$6.00 No. 1, \$6.50; No. 2, \$7.00; No. 3, \$7.50* \$ gross
apanned Long Chest	Bird Cage, Sargent's list60&10&10% Bird Cage, Reading60@60&10%	Spun Brass, Plain	\$7.50 % gross
Balvanized Hinges with Iron Pins, 65&10%		Metal10@15≰	Ventilator Cord, Samson Braided, White or Drab Cot. 2 dos. \$7.5020
Palvanized Hinges with Brass Pins, 60&10s	Ceiling, Sargent's list	Knives-	Wire Clothes, 100 feet, No. 18, \$2.25; No. 19, \$2.00; No. 20, \$1.75.
SPRING HINGES-	Clothes Line, Sargent's list. 50&10% Coat and Hat, Sargent's list. 50&10% Coat and Hat, Reading. 60&10% Coat and Hat, Stowell's. 70%	Ames': Bread Knives, \$\Phi\$ doz \$1.5020%	Loaded Shells—
Bommer's Brothers. Bommer Spring Hinges40%	Coat and Hat, Reading	Butcher Knives25%	See Ammunition.
Bommer B. B. Floor Hinges 40% Bardeley's Patent Checking 15%	Harness, Sargent's list 50@50&10% Lamp	Shoe Knives	Locks—
Chicago	Picture	Dunlap Kitchen and Bread Knives25% Foster Bros.' Butcher, &c80%	DOOR LOCKS, LATCHES, &C. Branford Lock Conet price
Bronze-Metal70&10&10&	Screw Hat	Goodell's: Bread Knives Ass'n listnet	Champion Night Latches
Japanned Surface, Single70&10% Japanned Surface, Double60&10%	WROUGHT IRON AND STEEL-	Butchernet Shoe Knives40%	Lockwood Mfg. Co
Mortise	Cotton Pat. (N. Y. Mallet & Handle	E. Hartzell's 80&5%	Plate
Model		R. Hartsell's	R. & B. Mfg. Co
Vigilant 804	Hammock Hooks, E. C. Stearns, \$\foware dos	Wilson's Butcher Knivesnet	Sargent & Co
Jnion Spring Hinge Co.'s List, March, 1894	Picture, T. & S. Mfg. Co	Knives, Hay and Straw-	Yalenet price
Jnion Mfg. Co	Wrought Staples, Hooks, &c.	See Hay Knives.	
GATE HINGES-	See Wrought Goods.	Knobs-	Ragle Lock Co.381Corbin331Yale383
Clark's, Nos. 1, 2, 8, 50&10@60&10s	Enterprise40%	Base, Rubber Tip, 114 in. Bead, 18 gr. \$1.50	PADLOCKS—
N. K., ♥ doz. \$7.80	Humason & Beckley80&10%	Base, Rubber Tip, 214 in. Bead, \$\Pi\$ gr. \$1.50 Carriage, Jap \$\Pi\$ gr. 80c60\$	Acme Bicycle and Satchel, \$\ doz.,
I. Y. State, 2 doz. \$4.90	WIRE—	Bass, Rubber 111, 25g iii. Bestudy Rr. \$1.50 Carriage, Jap.	\$9.00. Ames Sword Co
Vestern, # doz. \$4.20	Atlas Coat and Hat	Door Por. Nickel, " "50%	Brown's Brass
BLIND HINGES-	Wire Coat and Hat 50&10@50	I Iceare, Dargente B	Champion
Clark's: Lull & Porter, Nos. 0, 1, 114, 2, 214,	&10&5% Wire Coat and Hat, Gem50&10@50	Yale & Towne Woodnet	Scandinavian90&9
Lull & Porter, Nos. 0, 1, 114, 2, 214, 8	&10&5% Wire Ceiling, Gem50&10@50&10&5%	₩ doz.	McWilliams Smith & Egge Bicycle
Noe. 1, 8, 5	Wire Coat and Hat, Standard45%	37.4 40 00	Wrought Iron
Nos. 40 and 50	miscellaneous-	Lawn Mowers—	TRUNK-
Parker	Covert Mfg. Co.: Safety Gate and Scuttle Hooks85%	Champion75&10¢	Corbin's 95&1
Stanley's Steel Gravity Blind Hinges, with Screws, \$1.80 @ doz. sets. 80&10%	Grass No. 2, \$1.65; 8, \$1.80; 4, \$2.00	Continental	Eagle
	Hooks and Eyes—Brass60&10x Hooks and Eyes—Mal. Iron. 70@70&10x	Enterprise	Machine Bolts— See Bolts.
Hitching Cords— Covert Mfg. Co	Cotton, Box and Hay60@60&10%	Styles M., S., C., K., T 70&10x	Mail Boxes-
Hoes-	Horse Clippers—	Style M., S., C., K., T	See Boxes, Mail.
Steel Goods Association List, Aug. 1,		Style E. High wheel	Mallets-
1899.	Horse Nails-	Drexel, low list. 60% Gold Coins, low list. 60% Great American 70&10% Great American 70% 7	HICKORY
Asphalt Hoes65⊀		Imperial	Lignumvitæ50@50&
Asphalt Hoes	Nos. 6 7 8 9 10 A. C25c 28c 22c 21c 21c	THE POST OFFI THE TOTAL TO MAN AND AND AND AND AND AND AND AND AND A	
Asphalt Hoes	Nos. 6 7 8 9 10 A. C25c 28c 22c 21c 21c 40&10s	New Departure, Low Wheel	
Asphalt Hoes	Nos. 6 7 8 9 10 A. C25c 23c 22c 21c 21c 40&10 American, all sizes	New Easy 60&10@60&10&10&	
Asphalt Hoee	Nos. 6 7 8 9 10 A. C25c 23c 22c 21c 21c American, all sizes	New Departure, 10w Wilee	
Asphalt Hoee	Nos. 6 7 8 9 10 A. C25c 23c 22c 21c 21c American, all sizes	New Beparture, 150 w Meet. New Easy	Cronk's Garden
Asphalt Hoee	Nos. 6 7 8 9 10 A. C	New Hopsture, 10w Wited, 10% New York	Cronk's Garden
Asphalt Hoee	Nos. 6 7 8 9 10 A. C	New Hopsture, 150w Witelands 106 New York. 60&10@60&10&106 New York. 60&56 Pastime: 12 in. 14 in. 16 in. \$6.00 \$6.25 \$6.50 each net Pennsylvania. 60&106 Racine. 608	Cronk's Garden



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Rnterprise	Oilers	Pliers and Nippers—	Hay Fork, Swivel Eye, & doz.,
Nos 5 10 12 20 23 32 Each\$2 \$8 \$2.50 \$5 \$4 \$6	Brass and Copper	Button's	4-Inch. SX 75' Rainch SK 00 KKd
Hales Pattern, & doz70@70&5% Nos	Cushman & Denison's: 3 doz. Gem. \$.50	Carew's Pat. Wire Cutters	Hay Fork, Hartz, 414-inch, \$\psi\$ doz., \$6.00
Home No. 1, 2 doz. \$26	Leader	Button Pattern	#UV #10486
Little Glant	Star Pocket Oilers	Flat and Round Nose40%	Stowell's Anti-Friction, 6-in. Wheel, & doz., \$12.0040s
Nos 305 810 812 820 822 \$35 \$48 \$44 \$72 \$68	Brass	Gas Pliers, No. 100	51de, Anti Friction
Miles' Challenge, 2 doz 45@45&10% Nos	Steel	Wire Cutter and Bender60%	Shade Rack
Woodruff's, ₩ doz	10425(4720%	Hall's Nippers, \$\pi\$ doz., No. 2, 5 in., \$18.50; No. 4, 7 in., \$21.0040&10 Hall's Pliers	Pumps-
NOS 100 150	ARMA list KAR 10#	Humason & Beckley Mfg. Co.50@50&10%	Clatern, Best Grades 50&10@60%
\$15 \$18 Beef Shavers (Enterprise)25@30% Chadborn's Smoked Beef Cutter	"Paragon," Brass 5J&10@60% "Paragon," Zinc 70@70&10%	Wm. Johnson's Gas Pliers6674% Morrill's Parallel, % doz. \$12.0080&5%	Pitcher Spout, Best Grades70&10% F. E. Myers & Bro.:
*Chadborn's Smoked Beef Cutter * doz. \$60.00	TOWER & LYOH BICYCIE	Smith's Side Cutting	No. 1, Fig. 828, 8 in. Shallow
•	Anti Rust	P. S. & W. Tinners' Cutting Nip-	Well Pump\$18.00 No. 8, Fig. 828, 814 in. Shallow
Meat Juice Extractors—		pers add 8% dis. 10%	No. 8, Fig. 528, 814 in. Shallow Well Pump
Enterprise	Oil Stones, etc.—	Plow Bolts—	Pump
Metals, Anti-Friction-	Pike's Washita:	See Bolts.	Well Pump 17.00
Magnolia Metal Co.: # 15 Magnolia, Anti-Friction25c	Lily White, \$ ib	Plumbs and Levels— Cook's 40&10&10	Shallow Well Pump 15,00
No Name	8x2	Davis':	No. 82, Fig. 528, 8 in. Deep Well Pump
Mystic	6x9 10.00	inclinometers	No. 56, Fig. 881, 8 in. Shallow Well Pump
Melting Ladles	5x2	Disston's	No. 59, Fig. 832, 814 in. Shallow Well Pump
Monroe's Patent 39 doz. \$4.00, 405	814x1 5.50 Discount, 8814&10%.	Pocket Levels	Well Pump
P. S. & W85&10@40%	Pike's Washita Axe Stones:	Stanley's	No. 70, Fig. 883, 214 in. Deep Well Pump
Reading	About 2x2x34 to 136, 20 fb\$.94 About 2x2x14, extra selected 40	Stratton's Pat	Pnmn
Warner's80%	Discount, 381/45. India Oil Stones		No. 78, Fig. 838, 814 in. Deep Well Pump
Mitre Boxes—	Packing, Steam—	Poachers— See Egg Poachers.	No. 102, Fig. 448, 8 inch Lift Pump 9.00
C. R. Jenninge & Co	RUBBER—	Police Goods—	No. 108, Fig. 448, 814 in. Lift
Seavey's, \$ doz. \$80	Boston Belting Co.:	Tower & Lyon's	Pump
Mop Wringers-	"Boston"	Polish Metal-	Pump
Matchless (Canton, O.), \$\pi \doz\$12.00	"Excelsior" Plumbago, Pure, \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Pump 8.50 No. 225, Fig. 889, Windmill
Motors—	Standard, Fair Quality70&10@75%	Prestoline Liquid, New List40% Prestoline Paste881/6/40% U. S. Metal Polish Paste, 8-ox. boxes,	Pump. 12.50 No. 285, Fig. 408, Windmill Pump 16.00
Specialty Novelty Coeach \$5.00	miscellaneous— \$ 15	€ 002\$.00	No. 285, Fig. 408, Windmill Pump
	American Packing 9c@10c Cotton Packing 18c@14c	% gross	Pump
Nails-	Italian Packing	1 lb, boxes, # dos 2.25 U. S. Liquid, 8-ox cans, # doz 1.25	Pump
See Review of the Markets for	Russian Packing12c@1814c	U. S. Liquid, 8-oz cans, \$\pi\$ doz 1.25 \$\pi\$ gross 12.00 Barkeeper's Friend Metal Polish,	Force Pump
quotations. Wire Nails and Brads, Papered, Ass'n	Padlocks-	₽ doz 1.75	Force Pump
list, July, 189985@85&10%	See Locks.	% gross	Tank Force Pump 16.00 No. 802, Fig. 477, Spray Pump,
PICTURE—	Parers-	Polish, Stove— Dixon's Plumbago* 15	complete
Brass Head, Combination list 50% Brass Head, Sargent's list 70@70&5%	APPLE— % dos. Advauce \$ 4.50	Joseph Dixon's # gro. \$5.75, 10% Gem # gro. 4.50, 10%	Pnmn 5 (II)
Niles' Patent	Baldwin 5.00 Bonanzaeach 5.00		No. 850, Fig. 547, Knapeack Spray Pump
Porcelain Head, Sargent's list50%	Dandyeach 7.50	Poppers, Corn— Round or square, \$\pi \text{doz.} \$\pi \text{gro.}	Discount, 50% f. o. b. Ashland.
Antique Bronze	Rureka, 1898each 16.00 Family Bay State	1 qt \$.75 \$ 7.00 1½ qt 85 9.50 2 qt 1.15 10.60	Punches—
China	Improved Bay State\$27@80.00 Little Star4.00	2 qt 1.15 10.50	Bemis & Call Co.'s: Cast Steel Drive50&5%
Fire Gilt	New Lightning 5.20 Penn 8.75	Quincy Corn Popper, 1 qt., \$\psi\$ doz. \$8.00; \$2 qt., \$4.00	Check
Nail Pullers-	Perfection 4.00	Post Hole Diggers— * dos.	Springfield Socket65%
Ajax, 5 bs	Reading, 78 4.00 Reading, 78 7.00	Disston's Samson Digger\$84.00, 254 Iwan's Split Handle, # doz. net\$8.50	Morrill's Universal 85% Niagara Hollow 45%
Black Hawk, \$\psi\ doz	Reading, 78	lwan's Perfection, ¥ doz. net\$9.00	Niagara Solid
Eureka, No. 74	Turntable, 1898	Ryan's	Spring, good quality, 2 doz., \$1,70@1.80
Eureka, No. 75	POTATO— \$\mathfrak{9}\ dos.	Iwan's Patent Improved40%	Niagara Rollow 55% Saddlers' or Drive, good 60@65% Snell's Tinners' 50% Spring, good quality, \$\pi\ dos., \$1.70@1.80 Spring, Leach's Pat. 15% Tinners' Bolid, P. S. & W. Co., \$\pi\ doz \$1.44, 55% Tinners' Hollow, P. S. & W. Co., \$\pi\ doz \$1.44, 55%
Giant, No. 1. 9 doz. \$18.00; No. 114, \$16.50; No. 2, \$15.00	Saratoga	Vaughan's, 6 to 9 ln., dos. net \$6.00	₩ doz\$1.44, 55%
National	Pencils	Potato Hooks, etc.—	محصم
Scranton Improved, in Case Lots:	Diron's 20 mo	Hoe Down Hooks	Rail-
Small, No. 8	Carpenter's		Barn Door, Light, In. 14 56 34 36 31.00 feet\$1.40 1.55 3.60
** No. 8 D	Lead	Powder— See Ammunition.	Barn Door, "None Better" No. 1, \$\overline{\text{9}}\ foot. \$\overline{\text{84c}}\ Barn Door, "None Better" No. 2, \$\overline{\text{9}}\ foot. \$\overline{\text{4c}}\ B. D. for N. E. Hangers:
Large, No. 1	Lumber	Presses-	Barn Door, "None Better" No. 2,
'' No. 2 D	Mascot, Hexagon	See Fruit and Jelly Presses.	B. D. for N. E. Hangers:
Nail Sets -	Percussion Caps—	Primers—	Double Flange, # foot, 8c
Buck Bros	See Ammunition	See Ammunition.	Cronk's: W foot
E1UIDASON 8	Picks—	Pruning Hooks and Shears—	O. N. T. Style, No. 18
Hunters' Cup Point, Knurled \$10.00	Railroad or Adze Eye, 5 to 8, \$12.00.	Cronk's Pruning Shears	Double Braced
Hunters' Cup Point, Plain 9.00 Octagon 4.00@4.75	6 to 7, \$18.0060&10@60&10&10	Disston's Combined Pruning Hook and Saw 9 doz., \$18.00, 25@25&10%	Lane
Round, assorted 8.00@3,25 Square 4.00@4,25	Planes and Plane Irons—	and Saw \$ doz., \$18.00, 25@25&10% Disston's Pruning Hook, \$ doz., \$12.00, 25@25&10%	Standard, 1½ in
Snell's:	WOOD PLANES—	Henry's:	Sliding Door, Bronzed Wrought
Octagon	Bailey's (Stanley R. & L. Co.) 50&10@60%	Pruning Shears 50&80% Orange 50&80% Grape 50&10%	Fron, \$700t
Knurled 9.00	Bench, First Quality	Tree Propers 754	Sliding Door, Wrought Brass, 11/4 in.,
Nippers— Acme	C. E. Jennings & Co50&10% Molding40&5%	E. S. Lee & Co.'s Pruning Tools 40% P., S. & W. Co.'s Shears	\$ 15, 86c
Smith's Cutting50% Todd's Cutting50%	IRON PLANES-	Waters' Tree Pruners75&10%	Rakes, Etc.—
Nut Crackers— ¥ gro.	Chaplin's Iron Planes50&10@60%	Wheeler, M. & C. Co.'s Combination	Cronk's:
Acme, Japanned\$30.00404	C. E. Jennings & Co., Iron50 & 10% Sargent's	Pulleys-	Wrought Steel Garden60&20s
Acme, Nickel Plated 80.0020% Furner & Seymour Mfg. Co50%	Sargent's	Awning	Queen City Lawn
Wnter	Bailey's	Axle	Steel Garden Rakes Stamped Blank 79% Steel Road Rakes
Hot pressed, square, blank\$5.80	Miscellaneous	Ceiling	Steel Tar or Asphalt Rakes
Hot pressed, hexagon, blank 6.00	DI AND IDONG	Common Sense	Prize Bow Braced Steel70&5&24
Hot pressed, square, tapped 5.20 Hot pressed, hexagon, tapped 5.90 Cold punched, plain, square, blank 5.10	Auburn "Thistle"	Empire Sash Pulley	Peerless Shank 70&5&24 Peerless Socket 70&5&24
Cold punched, plain, square, blank 5.10 Cold punched, hexagon, square, blank	Sandusky	Fox-all-steel: Nos. 8 & 7, 214-inch wheel, # dos25c	Level Head Shank70&5&2%
Cold punched, plain, square, tapped	Auburn "Thistle"	No. 9, 1%-inch wheel, ≱ doz20c No. 10, 2-inch wheel, ≱ doz25c	Rasps, Horse—
cola puncuea, piain, nexagon,		Extra for plated finish, \$\psi \text{doz} \cdots \cdots 20c \text{Extra for antique bronze bushing,}	Disston's
tapped 5.80	L. & I. J. White20&5@25%	₩ doz10c	See also Files.



Bazors-	Samson:	Saw Sets-	Drive Screws, Diamond Point 87469%
	"Mass." White, Cotton221/2@24c "Samson" Braided White, Cotton	Atkins:	Iron, Bright Flat Head 8714@Ag. Iron, Bright Round and Oval Head
Electric List net "John Engstrom" net prices	学 fb 28½@30c "Samson" Braided Drab. Cotton	Criterion Saw Sets	85/8871/49 Nickel Plated, Iron Flat Head 75/999
J. R. Torrey Razor Co	₩ 15 821 <u>4</u> @85c	Bemis & Call Co.'s:	Nickel Plated, Iron Round Head. 75@85
£10%	"Samson" Braided Italian Hemp % h 82 k @35c	Cross Cut	
Registers and Ventilators-	"Samson" Braided Linen & 15.50@55c Silver Lake:	Plate	MACHINE-
HOT AIR-	A Quality, Drab \$ 15 40c, 5%	Disston's Monarch, Nos. 1 & 10 and Star	List, January 1, 1898. Brass, Flat Head
New List, Sept. 2, 1901:	A Quality, White	Hart's Pat. Lever20%	Brass, Round Head
Black Japanned	B Quality White	Kohler's: "Giant Royal"	Iron, Round Head
Bronzed Finishes 70%	B Quality	"Royal"	
Electro-Plated	White Cotton, Hard Braided \$ 10 180	Morrill's:	COACH, LAG AND HAND RAIL—
White Porcelain		No. 1, \$15.00; No. 10, \$15.50; No. 11, \$16.00	G. P. Coach. List, Feb. 14, 1895, 754:104
	Sash Fasteners, Holders, &c.	Cross Cuts Nos. 8 and 4, \$28.00; No. 5, \$31.00	Hand Rail60&10s
Rings—	Sash Lifts	Richardson's	Lag Screws. List, January 80, 1895. Cone Point
See Bull and Hog Rings.	Sash Lifts With Lock60&10&10%	♥ doz \$4.75 Stillmans. ♥ doz. 1.00	
Bivets and Burrs—	Sash Rollers	Taintors Positive\$18.00 % dos. 60%	BENCH, HAND, ETC.—
Belt with Burrs40&5@40&10%	Shutter Sheaves	•	Bench, Iron, V doz., 1 in., \$3.25:
Hose with Burrs40&5@40&10%	Wilder Street State Harter Williams	Scales-	114, \$8.50; 114, \$4.35 Bench, Wood, Beech
ibon—	Sash Locks—	Chatillon's: Eureka25%	Chair 60& 10% Hand, Wood
List, Nov. 1, 1894.	Champion Meeting Rail70%	Favorite40%	Jack Screws, Millers Falls, Roller
Ordinary in bulk	Champion Side	Grocers' Trip Scales	Jack Screws, Millers Falls, without
Thousand in papers	Elting's Ventilating40% Fitch s:	Hatch: Counter, No. 171.% dos. \$17.00@\$18.00	Roller Bearing
Block and Carriage, in papers70%	Iron	Tea, No. 161 2 doz. 5.75@ 6.00 Union Platform Plaln 2.00@ 2.10	Jack Screws, Sargent's
Hame	Bronze and Brass	Striped 2.15@ 2.25	I land Baddi
pered	Ives' Patent: Wrought Steel60%		Scroll Saws-
Rivet Sets—	Bronze M. Knob 60≴	Scale Beams—	
Regular List	Wrought Bronze and Brass55&5% Cast Iron	Chatillon's No. 1	Barnes' No. 1, \$8; No. 6, \$10; No. 7, \$15
Rollers—	Cast Bronze and Brass	Chatillon's No.280%	Barnes' Scroll Saw Blades4% Cricket
Lane's, Stay	Reading60&10%	Scrapers, &c.—	C. E. Jennings & Co
_		Adjustable Box Scraper (S. R. & L.	Rogers, complete, \$4.0015&105
Rope—	Sash Weights—	Co.) \$6.00	
Cotton Rope. Best, \$\psi\$ inch and larger14c	Small lots	Box, 2 Handle	Scythes, Grass— \$\pi \doz.
14c inch and larger	•••••••••••••••••••••••••••••••••••••••	Foot	Natural Finish
Jute Rope:	Sausage Stuffers or Fillers-	Ship, R. I. Tool Co105	Painted or Bronzed
A grade	Draw Cut, No. 4each \$80.00, 20%	SIDEWALK-	Weed and Bush 7.25@ 7.50
Manila: 7-16 in, and larger18 c	Enterprise Mfg. Co25@25&71/48	Kohler's, Steel No. 7 🛊 doz. \$3.00	Seeders-
% in	National Specialty Mfg. Co25%		Raisin, Enterprise
Hay Rope, Medium1314c	Saws—	Screens—	Resident, Editer prise
Sisal: 7-16 in. and larger 914c	Atkins:	DOOR-	Shears—
% in	Band 7 to 14 in. Wide 60&10% Band 2 to 6 in. Wide60%	Phillips:	Acme (Cast)
	Band 1/4 to 2 in. Wide 60%	Doors	Ætna, Steel Japanned
Rules—	Butcher, Pruning and Compass 40&5% Circular	Doors 6.50	Barnard Lamp Trimmers
Athol, Steel	Cross Cut	Doors	Carrier Cutlery Co.: N. P. Straight Trimmers623
Ivory	Hand, Panel and Rip	%-in., Style K4, Fancy Screen Doors 8.50	N. P. Bent Trimmers
Nteel55≰	Disston's:	WINDOW-	Japanned Bent
Lumber	Circular, Solid and Inserted Tooth.50% Band 8 in. to 14 in. Wide60%	Porter Screen Mfg. Co60@60&5%	Heinisch's: St. Trimmers, etc 60&10@60&10&10
Starrett's Rules and Straight Edges, Steel	Band 1/4 in. to 21/4 in	Phillips:	Tailors' Shears
	Narrow Cross Cuts	Bonanza Screens 60@60&5% Express	Pruning. See Pr'ning Hooks & Shears. Seymour's Standard List:
Sad Irons—	Framed Wood Saws	Flyer	Japanned
Chinese Laundry % ib 414c Chinese Sad	Wood Saw Blades	Northwest	Nickeled as Standard Cutlery Co.:
Crown, Polished	Hand Saws, Nos. 12, 99, 9, 16, D100, D8, 120, 76, 77, 8	Window Scieen Flames	Japanned
Common 4 to 10	Hand Saws, Nos. 7, 107, 10756, 8, 1,	Screw Drivers-	Star Brand:
COLD HANDLED-	0, 00, Combination 80% Compass, Keyhole, Pruning, Dove-	Brace Screw Drivers25&10&5%	Nickel Scissors
Enterprise Mfg. Co. of Pa 80 &5%	tail, &c	Buck Bros	Japan Shears 40&10
Self-heating	Haines' Needle Point40%	Champion40% Disston s Flat Blade, Electric, Tele-	Pruners
Sensible Nickel	C. E. Jennings & Co.'s: Butcher		Tinners' Snips404:15
Sensible Polished	Hand Panel, Rip and other Saws 25@30%	Electric Spiral No. 02 . 2 doz. 5.00 net	Shears, Hedge—
Sofety France	Peace: Cross Cuts45&10%	Frav's Hol. Hdle. Sets. No. 8\$12, 50%	Wm. Wilkinson & Sons
Safety Fuse— See Fuse.	Hand Panel and Rip25&10%	graph and Cabinet makers	WILL WEIGHOU OF COURT
	Richardson: Circular and Mill50@50&10%	O. M. Otherings to Co	
Safety Lifts—	X Cuts	Jennings & Griffin	Sheaves—
Burr Mfg. Co., Steel70&10%	Star, Butcher 25%	\$18.50 net; No. 2 & doz\$12.00 Sargent & Co.'s:	BLIDING DOOR—
Sand and Emery Paper and	Woodrough & McParlin Cross Cuts 45&10%	No. 1 Forg. Blade50&10@50&10&5%	Corbin's list
Cloth-		Nos. 20 and 40	M. W. Co., list July, 1888. 502 102 102 102 102 102 102 102 102 102 1
Baeder, Adamson & Co.'s: Emery Cloth	HACK SAWS AND FRAMES—	Stanley R. & L. Co.'s: No. 64, Varnished Handles60&10%	Patent Roller
Garnet Paper	Dission's:	No. 86	R. & E., list August 15, 1895. 60&10@60&10&55
Sash Balances—	Concave Blades	Tower & Lyon:	Russell's Anti-Friction, list December 18, 1835
Caldwell Mfg. Co50%	chine Blades	Champion	
	Griffin's:	Magazine	SLIDING SHUTTER—
Sash Chain—	Complete40@45% Saw Blades4%	Williamson's:	Dending Net
Competition	Star, Saws and Blades25%	Beauty, \$\partial doz	R. & E. Mfg. Co.'s
Monarch		C. T. Williamson Wire Novelty Co40\$	
Steel	July 2 2202	Screws—	Shells—
Sash Cord—	Disston's D8 Clamp and Guide, \$80.00 ₩ doz25%	WOOD SCREWS-	See Ammunition.
Cable Laid Italian 15 16@18c		List, January 1, 1900.	
Cable Laid Russia % to 1814@14c Common India % to 9@10c	Saw Frames—	Brass, Flat Head 85@87143 Brass, Round Head 8214@833	Shot-
Patent Russia # 15 12%@13c Patent India # 15 1014@12c	C, E, Jennings & Co200	Bronze, Flat Head	
_ avent india 1079@120			



Shovels and Spades— Association prices to small trade,	SILVER PLATED FLAT WARE— L. Boardman & Son. Catalogue "C"	Swedes Iron Tacks; S. S	Nellis Forkeach, 1.60 New Myers Iron Rod Car8.25 Reed Wood Frame Pulley with
No. 2, Polished, Square or Round Point, D or L Handle: A1, B2, 1st Grade, 2d Grade	" 1847" 40 & 10 % " Auchor" 50 & 10 % " Eagle" 50 & 10 % " Star" 50 & 10 %	S. S	Hook, Fig. 434
Plain Back\$10.50 \$9.60 Strap Back 9.20 9.00 Cleveland Pattern. 10.20 9.80	Rogers & Hamilton	Gimp Tacks: S. S	Rope Hitch
C8, D4, 8d Grade, 4th Grade Plain Back \$8.70 \$8.10 \$1.50 \$1.0	Holmes & Edwards50&10&10% German Silver, unplated50%	S. S	Sprout's Shear Fork, each\$1.60 Steel Frame Pulley with Iron Sheave, Fig. 565, \$\forall doz 1.85 Sure Grip Sling Car, Steel or Wood
Cleveland Pattern. 8.40 7.80 All other sizes, add 30c. doz. Black, deduct 30c. doz.	# doz. net	S. S. 90&30% Trunk and Clout Nails: Steel, Black . 80&5% Steel, Tinned . 80&5%	Track
Shovels and Tongs—	"Anchor" 3.25 "Eagle" 8.25 "Star" 3.25 Rogers, Smith & Co. 3.25	Upholsterers's Tacks; S. S	Transom Lifters—
Brass Head	Rogers & Hamilton	Miscellaneous— Double Point, in dozens, 90&10&10&10&10&10	Ajax
Shutter Bars— ives'	Springs— See Door Springs.	Double Point, in bulk. 80% Matting 80% Shade, in dozens 90&10&10% Shade, in bulk 80%	Creecent
See Bolts, Shutter.	Spring Balances— See Balances.	Tack Pullers -	Shaw's: 80&10% Copper Finished 80&10% Lever 70@70&10%
Sifters, Flour	Spring Hinges— See Hinges.	Columbia, No. 1, \$\P\$ doz., net\$1.00 Columbia, No. 2, \$\P\$ doz., net 1.50 Little Jack \$\P\$ doz., 1.00	Traps—
Hunter's Genuine% gross, \$10@\$11.50	_	Tapes, Measuring—	FLY-
Skate Sharpeners—	Squares— Disston's Try Square and T Bevels,	American Asses' Skin40&10@50\$	Balloon \$\psi\$ doz. \$1.25, \$\pi\$ gro. \$11.00 Globe \$\pi\$ doz. 1.25, \$\pi\$ gro. 11 00
Eureka doz. \$1.75; \$ gro. \$18.00	60&10% Starrett's Micrometer Caliper Squares, 25%	Leather Case	Harper & doz. 1.40, & gro. 12.50
Slaw and Kraut Cutters— Disston's: Slaw, Vegetable, Corn Grater, Tur-	Try Square and T Bevel60&10 600&10&10% Winterbottom's Try and Mitre40&10% Nickel-Plated. New List Jan. 5,	Steel and Metallic	Star, Blake's Pattern 60&10 Enterprise Mole 15% H. & N 65%
nip Shredder. 40% Kraut Cutters, 24x7, 26x6, 30x9 . 55% Kraut Cutters, 36x12, 40x12. 40% Enterprise. 25@30% Enterprise Mfg. Co	1900,	Tap Borers— See Borers, Tap.	Newhouse
Tucker & Dorsey: 1 Knife	Staples— Barbed Blind—14, 56, and 34 inch,	Taps—	MOUSE AND RAT-
2 Knives	₩ b	American Screw Co.:	Hotchkiss:
Woodrough & McParlin40%	FENCE-	Machine Screw	Metallic Mouse
Sledges and Heavy Hammers— See Hammers,	Same price as Barb Wire. See Trade Report.	Machine Screw	Mouse, Round Wire, \$\frac{1}{2} doz\$1.00, 10% Mouse, Wood, Choker, \$\frac{1}{2} doz. holes, \$\frac{1}{2} \text{@10c}
	Stay Bollers-	Pipe, 2 to 4	Marty French Rat and Mouse Traps (Genuine): No. 1, Rat, each \$1.18, \$\doc{1}{2}\docum\doc{1}{2}\docum\
Slicers— Vegetable, Enterprise25%	Cronk's, No. 60	Thumb Latches— See Handles.	No. 8, Rat, \$\vartheta\$ doz., \$6.00; case of 50
Smiths' Bellows— See Bellows.	Steels— Chatillon's	Tinware- Stamped, Japanned and Pieced,	No. 4, Mouse, \$\psi \doz., \\$3.50; \case \\ of 72
Snaps, Harness, &c	Stocks and Dies.	Net Prices. Tire Bolts—	Schuyler Rat Killer, No. 1, \$\pi\$ gro., \$15.00; No. 2, \$\pi\$ gronet\$15.00 Mouse, No. 8net 9.00
Anchor (T. & S. Mfg. Co.)	BICYCLE— Holroyd & Co	See Bolts.	Mouse, No. 3 Smith & Egge Mfg. Co.:
Bolt	•	Tobacco Cutters-	Yankee Rat Trap 11.00
Champion 40% Clipper 50&10&5% Empire 50&5% National 50&5%	BLACKSMITH'S— Butterfield's	National Specialty Co40% Enterprise Mfg. Co25@30%	Trowels—
Security 40% Victor 60&5% German, new list 40%	Holroyd & Co	Toilet Clippers— See Clippers.	Brade's Brick80% Disston's:
Sargent's: Patent Guarded	PIPE MAKERS	Trammel Points-	Brick and Pointing
Breast Strap Buckle Snaps Breast Strap Protector Double for Bits or Trace Carrier 45%	Stones-	Backus and Union	Brick
Trojan Snaps	See Oilstones.	Sargent's 40&10% Stanley's 30&10% Tower & Lyon 8816%	Pointing
Derby Snaps	Stops- See Bench Stops.	Prentiss'20@25	етв
Snaths—	Store Door Handles-	Tracks, &c.—	Vegetable Slicers-
8cythe40@45%	See Handles. Stove Bolts—	F. E. Myers & Bro.: Comb. Car, Double Steel T \$8.50 Comb. Car, Wood Track 8.25 Common 6 in. Wood Sheave Pulley.	Enterprise Mfg. Co25%
Soldering Irons—	See Bolts.	Fig. 483	Vises—
Covert Mfg. Co20%	Stove Polish—	Double Grapple Forkeach, 8.50 Double Rail Steel Track, complete with clamps	Solid Box40&10@50\$
Spoke Shaves—	See Polish, Stove.	with clamps	Columbian Hdw. Co
Bailey's (Stanley R. & L. Co.) 50 & 10% Iron	Sweepers— See Carpet Sweepers.	Faultless Steel Frame 6 in Plain Pulley, Fig. 485	Armstrong's: Combination
Seymour Smith & Sons, Iron20% Wm. Johnson's:	Tackle Blocks—	Floor Pulley, Wood Sheave, Fig. 486	Plain and Hinge
Wood, Best	See Blocks.	Hanging Hooks for Double Steel Track	Fisher & Norris Double Screw. 15&10% Holland's
Spoons and Forks—	Tacks, Brads, &c. List Jan. 15, 1899.	Track	Little Giant Bench25&10% Lowell Hand3816% Massey:
Boardman's: Britannia Spoons, Catalogue "C" net, List	American Cut Tacks	Hanging Hooks for Wood Track,	Perfect. 15@20% Clincher 80@40%
Nickel Silver, Catalogue "C" net, List	American, Blued 90&10&10&10\$ American, Tinned 90&10&10&10\$	Malleable Frame K. P. Pulleys, Fig. 676	Wood Working



illers Falls:	Wire Gauges—	Wrenches—	Boardman's
Mechanics' net@10% Oval Slide 50&10%	See Gauges.	Agricultural	Coes':
Ball Clamp		Alligator	Genuine
Gravitynet	Wire and Wire Goods-	Baxter's	"Mechanics'"40&10&10&5&5
Hand		Bemis & Call's:	Coes' Pattern, Wrought Bar60&5@
enix	Bright Wire Goods, New List85 & 10%	Brigge Pattern 80&10%	
entiss20@25≰	Cast Steel Wire50%	No. 2 Cylinder	Donohue's Engineer
rgent's40%	Copper Wire	Patent Combination Black 40&5%	Gem
mpson's Adjustable	Annealed and Tinned on Spools70s	Patent Combination Bright40%	Stillson Pips50
enton 40@40.454	Brass and Copper on Spools60%	Bicycle:	Taylor Pipe and Nut40
right's Pipe40%	Spooled Wire, ass'd for Retailing70% Market Wire, Bright and Annealed:	Club40%	Acme
•	Nos. 6 to 970&105	Superior	Hercules
4.4	Nos. 10 to 187234&5%	Protection405	J. H. Williams & Co
SAW FILERS-	Nos. 19 to 26		
nney's No. 2, \$15.0040&10@50%	Nos. 27 to 86	PAINTS, OILS	AND COLORS.
ncinnati	Coppered and Galvanised: Nos. 6 to 9		Spirits Turpentine-
earns Com. No. 0, 1, 2 and 8, 50@50&10¢	Nos. 10 to 18	Oils-	
sarns Rubber Jaw, Nos. 10 and 83,	Nos. 19 to 26	Linseed, City, Raw, in barrels, ₩ gal. 68c	In regular bbls
8814@40¢	Nos. 27 to 86	Linseed, City, Boiled, in barrels,	In machine bbls881/4@39
entworth's40%	Tinned:	₩ gal. 65c	Dry Colors—
	Nos. 6 to 14	Out of Town on Spot # gal. 58c	Dry Colors—
Wads-	Nos. 19 to 26	Calcutta, Raw, in barrels gal. 85c	Blue, Chinese
· · · · · · · ·	Nos. 27 to 86	Lard, Prime City 9 gal. 80@81c	Blue, Prussian
e Ammunition.	Picture Wire, List of Oct. 2, 1900	Extra. No. 1	Blue, Ultramarine 6 @30
	85@85&10% Steel Music Wire, Nos. 12 to 80, Im-	No. 1	Siepna, Italian, burnt &
Wagon Jacks—	ported \$ 15. 60@70c	NO. 141@48C	powdered
vert Mfg. Co.'s, Steel45%	Stub's Steel Wire \$6.00 to £ 88145	Paints and Colors—	Sienna, Italian, raw &
ne's Steel		Barytes, Foreign Floated, \$\text{\$\forall}\$ ton,	powdered 8 @ 7
	Wire Clothes Lines—		
Washer Cutters—	See Lines.	\$20.00@\$81.00	Umber, Turkey, burnt 2346 334
	See Militor	Barytes, American Floated, \$\varphi\$ ton,	Umber, Turkey, raw 24@ 34
is A. Smith's20&10&10%	Wire Cloth, Netting, &c	\$19.00@ \$30. 00	Green, Chrome, Ordinary 5 @ 7
		Barytes, Crude \$\pi\$ ton 9.00@ 10.00	Green, Paris, in bulk15 @16
Well Wheels-	Galvanized Wire Netting 80&10@80&20% Painted Screen Cloth, good quality,	White Lead, American, Dry, in bbls.	Indian Red, American 2146 8
panned, 8 to 14 inches	Painted Screen Cloth, good quality, ₩ 100 sq. ft. \$1.00@1.10	₽ b. 6@6¼°	Indian Red, English 414@ 834
paulicu, o to 14 inches	\$ 100 mg. 111 \$1100 @1110	White Lead, American, in Oil, in lots	
Wasa Makusakan	Wire Rope-	of less than 500 lbs 3 lb. net 7c	Colors in Oil—
Weed Extractors—	•	In lots of 500 the. and over \$ th. 614c	Black Lampblack, best 18 @15
Pastime "	New List July 1, 1899. Cast Steel	White Lead, English, in Oil. # 15. 9@914c	Black Lampblack, common 8 @10
- ·	Iron80@30&10%		Blue, Chinese
Window Cleaners—	Iron, Galvanized25&10%	Litharge, Kegs \$ b. 614@7c	Blue, Prussian
	•	Zinc, American, Dry \$ b. 414@5c	Blue, Ultramarine 14 @18
rnes Mfg. Co	Wire Rope Clips-	Putty-	Sienna, burnt
J 00 a 0	Crosby 25%	In bulk\$1.90	Sienna, raw
Window Stop Adjusters—	01080j	In bladders 2.40	
	Wire Stretchers-	In cans, 50 lb 2.00	Umber, burnt
es' New List		In cans, 25 fb 2.25	Umber, raw
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John Chatillon & Sons, New York. Iowa Farming Tool Co., Ft. Madison, Iowa.

Ice Creepers.

Edwin B. Stimpson & Son, New York. Tower & Lyon, New York. Union Hardware Co., Torrington, Conn.

Ice Harvesting Implements.

Wm. T. Wood & Co., Arlington, Mage.

Ice Picks.

John Chatillon & Sons, New York. Eric Specialty Co., Eric, Pa. C. E. Jennings & Co., New York Wm. T. Wood & Co., Arlington, Mass.

John Chatilion & Sons, New York. Erie Specialty Co., Erie, Pa. Wm. T. Wood & Co., Arlington, Mass.

Iron. Sheet.

Bruce & Cook, New York.

Enterpise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleve-iand, Ohio.

Iron Pipe.

Colwell Lead Co., New York.

Iron Work.

J. E. Bolles Iron and Wire Works, Detroit, Mich. Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleveland, Ohlo.

Jack Chains.

- Smith & Egge Mfg. Co., Bridgeport, Conn.

Berger Bros. Co., Philadelphia. Lane Bros. Co., Poughkeepsie, N. Y F. E. Myers & Bro., Ashland, Ohio

Lamps, Bicycle.

John H. Graham & Co., New York, Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Fences.

W. J. Adam, Joliet, Ill. Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleveland,

Lawn Mowers.

Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Rakes.

Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Ft. Madison, Ia.

Lawn Sweepers.

Greene Mfg. Co., Springfield, O.

Lawn Tools.

Geneva Tool Co., Geneva, O.

Bruce & Cook, New York. Colwell Lead Co., New York.

Lead Pencils.

Joseph Dixon' Crucible Co., Jersey City, N. J.

Lead Pipe.

Colwell Lead Co., New York.

Lemon Squeezers.

Berger Bros. Co., Philadelphia. Erie Specialty Co., Erie, Pa. John H. Graham & Co., New York. John Sommer's Son, Newark, N. J.

Levels.

Stanley Rule & Level Co., New York. Tower & Lyon, New York.

Locks and Knobs.

Brass Goods Mfg. Co., Brooklyn, N.Y. John H. Graham & Co., New York. Sargent & Co., New York and New Haven, Conn.

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Joseph Dixon Crucible Co., New York and Jersey City, N. J.

Luminous Bait.

Enterprise Mfg. Co., Akron, O.

Magnolia Metal.

Magnolia Metal Co., New York.

Bruce & Cook, New York.
N. Y. Mallet & Handle Works, New
York, N. Y.
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H. C. Cook Co., Ansonia, Conn.

Geneva Tool Co., Geneva, O.

Manure Hooks.

Geneva Tool Co., Geneva, O.

Masons' Lines.

Samson Cordage Works, Boston.

Measuring Pumps.

Enterprise Mfg. Co. of Pa., Philadelphia.

Measuring Tapes.

Alfred Field & Co., New York, John H. Graham & Co., New York, Keuffel & Esser, New York.

Meat Choppers.

John Chatillon & Sons, New York. Enterprise Mfg. Co. of Pa., Philadelphia. John H. Graham & Co., New York.

Meat Cutters.

Enterprise Mfg. Co. of Pa., Phila-delphia. John H. Graham & Co., New York. Sargent & Co., New York.

Metallic Paint.

L. D. Berger, Philadelphia. Bruce & Cook, New York.

Mills, Coffee and Spice.

John Chatillon & Sons, New York. Enterprise Mfg. Co. of Pa., Phila-delphia.

Mills, Drug.

Enterprise Mfg. Co. of Pa., Philadelphia.

Mincing Knives.

Enterprise Mfg. Co. of Pa., Phlia-delphia. John H. Graham & Co., New York.

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Mowing Machine Oilers.

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Bridgeport Mfg. Co., Bridgeport, The Scranton & Co., New Haven, Tower & Lyon, New York.

Nail Sets.

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Needles.

Alfred Field & Co., New York.

Alfred Field & Co., New York. Charles Morrill, New York.

Atlas Bolt and Screw Co., Cleveland, Columbus Bolt Works. Columbus, O.

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Cushman & Denison, New York. Tower & Lyon, New York. Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

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Ames Sword Co., Chicopee, Mass. Alfred Field & Co., New York. John H. Graham & Co., New York. Smith & Egge Mfg. Co., Bridgepor Tower & Lyon, New York.

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L. D. Berger, Philadelphia. Bruce & Cook, New York. Jos. Dixon Crucible Co., Jersey City, N. J.

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Cushman & Denison, New York

Patents.

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Colwell Lead Co., New York.

Davis & Davis, New York.

Pig Tin.

Colwell Lead Co., New York.

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Armstrong Mfg. Co., Bridgeport, Conn.

Pipe Vises.

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Schwerdtle Stamp Co., Bridgeport, Conn.

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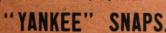
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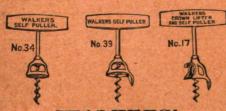
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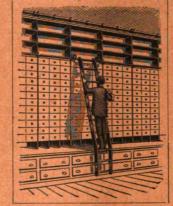
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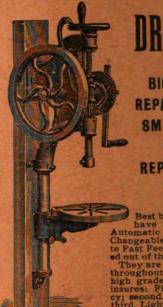
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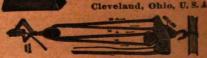
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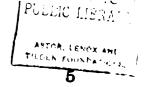
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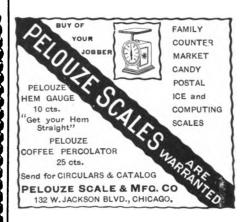
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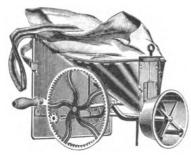
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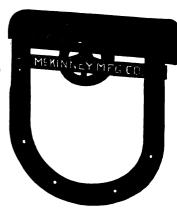
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ALLERTON-CLARKE CO.

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NEW YORK

REMINGTON-LEE SPORTING RIFLE



Without an equal for Long Range Target and Big Game Shooting.

Frank H. Hyde shot with a Remington-Lee Sporting Rifle and won The All-Comers Match, Sea Girt, New Jersey, Sept. 10th, 1901.

List Price, \$25.00.

Apply to your dealer for catalog and discount.

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425 Market St., San Francisco, Cal.

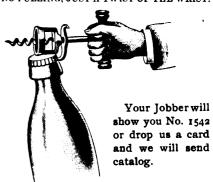
THE JACKSON KNIFE AND SHEAR CO., - FREMONT, OHIO, U.S. A.

A GILT EDGE REPUTATION

is worth having, but to be of real, lasting value one must live up to it.

That's what we are doing, and that's why our Cork Screws are always the same—dependable from the end of the handle to the point of the Screw. Removes Crowns with the greatest ease.

NO PULLING, JUST A TWIST OF THE WRIST.



C.T. Williamson Wire Novelty Co.

3698 MULBERRY ST.,

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DUNBAR BROTHERS

STEEL (OIL TEMPERED) SPRINGS

ALL MNDS OF SMALL SPRINGS

SHEET STEEL STEEL BRASS WIRE

BRISTOL CONN. FOR BOX 416



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RAIN WATER CUT-OFF.

The Strongest, Most Durable and Cheapest Cut-off on the market to-day.

The only Single cut-off made to fit
Plain and Corrugated Pipe and
which can be used without extra pipe or elbows.

For sale by all leading jobbers of Tinners' Supplies.

Manufactured only by

COONEY & GEIGER,

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SEASONABLE SPECIALTIES

"Arc" Lawn Sprinklers,
Peerless Can Openers,
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"Gibbs" and "Model" Lawn Rakes,
"Crescent" Sash Fasteners,

"New Departure" Coaster Brakes,
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naker's Bicycle Locks,
Chantrell Bicycle Chains,
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Nolin's Grass Hooks, Curry Cumbs (full line)

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Watson's Horse Cards.

"Crescent" Hat and Coat Hooks,

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Write for information and prices.

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MANUFACTURERS' SELLING AGENTS,

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113 CHAMBERS ST., NEW YORK, N. Y.

MORRILL'S Perfect Saw Sets,

Bench Stops, Punches, Cutting Pliers and Seal Presses.



Registered, Pat. No. 80,572. This Trade Mark is stamped on all Hardware Specialties of my make.



This Trade Mark is stamped on all Hardware Specialties of

For Hand, Band and Jig Saws, from the widest made down to 1-2 inch. The Sets are too well known for me to enlarge on them.

Write for Catalogue.

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WHY IS THE THE BEST ROTARY

WASHING MACHINE?

-It is the only Rotary washer that has Revolving Steel Ball Gearing, reducing the friction and thus making machine so light running and almost noiseless.

noiseless.

The tub is made of Louisiana Red Cypress Lamber, cherry finish; the legs are solid with tub (not removable, breakable legs fastened with screws).

The wheel turns right or left, pin wheel or dasher reverses automatically, turning the clothes back and forth through the hot srap-suds, and cleaning them without rubbing them to pieces.

This washer is made by experienced mechanics, and will out-last any other washer on the market.

The tub has a wringer box fastened with steel brackets.

The lid on the tub closes tight, no escape of steam.

Manufactured by H. F. BRAMMER MFG. CO., DAVENPORT, IOWA.

H. & R. Single Gun AUTOMATIC

12 and 16 Gauges.

Steel and Twist Barrels.



Simplest "Take Down" Gun made.

CHAMPION

Ejecting.

Superior in Design, Workmanship and Finish, and the Most Popular Gun on the Market.

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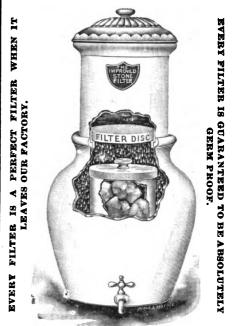
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Improved Natural Stone, Germ Proof, WATER FILTERS

Prevent Zymotic Diseases by pushing sale of these goods in your locality.



Every shipment contains a handsome display card. Price lists and discounts are furnished upon application. Manufacturers of Sanitary Stoneware of Every Descrip-tion. Pottery Established 1805.

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If you're Looking for First Class **UP-TO-DATE BARROWS** Champions, the All Kinds of Wood and World's Best. Steel Barrows.

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"Yankee" Ratchet Screw Driver, No. 12.

Made for special use of Gunsmiths, Fitters, Electricians and Mechanics requiring a strong, substantial screw driver with a short stub blade.

Made in one size only: Blade 5-16 diameter, 11/2 long, entire length of Screw Driver 51/2 ins.



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AGENCY JOSEPH RODGERS & SONS, LTD. THE BEST 18 EVER AND ALWAYS CHEAPEST.

The merchant can recommend with confiderate consumer will report superiority.

Excellence will insure enlarged demand.
Satisfaction will leave no ground for complete of the confidence will be seen to be seen t

Why, then, sell inferior Cutlery when

THE VERY BEST

be had at a small advance ever poerer

QUALITY?

FOR CENTURIES THE WORLD RENOWNED HOUSE OF JOSEPH RODGERS & SONS, LTD.,

SHEFFIELD, ENGLAND,

Has had neither equals nor superiors in the manufacture of

CARVING KNIVES and FORKS, TABLE CUTLERY, SCISSORS,

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Is among the oldest, and now over 200 YEARS old. It is known the world over as a guarantee that all articles so stamped are absolutely superior to all others.

We are the sole agents in the United States for JOSEPH RODGERS & SONS and carry a full line of their manufactures in stock.

If you cannot procure goods of their make from your jobber we shall be pleased to supply full information on application.

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Manufacturers of

SPECIAL AUTOMATIC WIRE AND METAL WORKING MACHINERY

Roll and Rotary Wire Straighteners. Butt Drilling Machinery. Butt Milling Machinery. Automatic Wire Straightening and Gutting Machinery. Riveting Machines. Foot Presses. Sprue Gutters. Etc., Etc.

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Springs A, B LOCK THE PIPE FROM PULLING OUT.

Prevents pipe from pushing in and closing the draught. Cheap compared with the old style. Just think of the annoyance saved.

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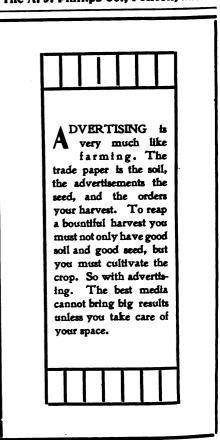
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LARGEST ASSORTMENT. ALL GRADES OF GRIT. NEAT APPEARANCE. FINE GOODS. QUICK SELLERS.

The Cleveland Stone Co., Hickox Bidg., Cicycland, Ohio.

FOR DOORS AND WINDOWS, ARE WELL MADE FROM GOOD MATERIALS BY

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Hair Clippers

ALL KINDS UNDER THE
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Power Clippers. both hand & mechanical
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Barbers Adjustable,

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FRANK MILLER'S

Carriage Top
Dressing **

Gives an Elastic, Durable Waterproof Gloss, and is positively safe to use on the finest stock.



The best made.



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AXLE OIL.

Superior to Castor Oil; lasts longer, and will not gum.

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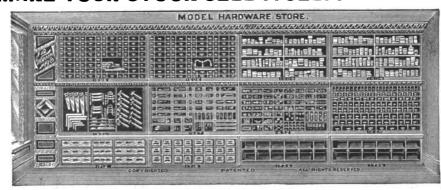
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MAKERS OF

Door Numbers, Hotel Key Tags, Metal Figures & Letters.

MAKE YOUR STOCK SELL ITSELF.

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GELEBRATED HEINISCH SHEARS

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Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

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NOT CONNECTED WITH ANY SHEAR COMBINATION.



Improved Odorless Gasoline Stoves

Ready to Light the moment gasoline is turned on. POSITIVELY ODORLESS.—No soot, smoke, or dirt.

SAFE.—The tank is out of sight and away from danger.

SIMPLE.—Burner has only three parts and it can't wear out.

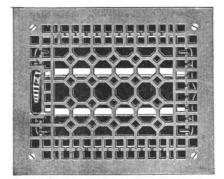
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MADE IN TWELVE SIZES.

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PITTSBURG

Largest and best equipped factory in the South for the manufacture of

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CAST IRON SINKS AND PLAIN GRATES

We are leaders in this line. Catalogue on application.





Full and light capacity. : :

PLAIN AND GROUND STOVE HOL-LOW WARE





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We make a specialty of making to order only, a superior quality of Cast Steel Wire Springs, either for extension or compression.

These Springs are all oil tempered and are made of an extra quality of wire drawn specially for our own use, of the same grade of stock as we use for the Springs that we put in our Spring Scales.



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Established 1835.

New York City.

"BOSS" Washing Machines.

Trade-Mark.

Closed View

Latest improved "BOSS" double action and rub board machine. All gearing enclosed and other important improvements

SIZES: \{ 7, 8, 9, wood frame lower cylinder. \\ 10, 11, 12, steel frame lower cylinder.

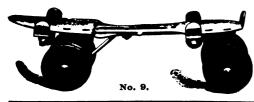
We are also the patentees and manufacturers of the following:

The Boss Internal Gear Washer,
" " External " "
" New Boss Rotary "
" " Champion Rotary"
" " Standard Champion "
" Standard Perfection "
" Banner Washer and
" Improved Standard.
" Uneeda American Round.

Carried in stock in carload lots in all the principal cities. Write us for prices and advice as to where und from whom you can obtain them, thereby saving extra cost of freight. Carried in stock under obbers' special brands, but none genuine without our name and address on each machine. Catalogues nailed free upon application.

"BOS8" WASHING MACHINE CO., P. O. Station H, Cincinnati, O.

ROLLER SKATES.



A Full Line for SIDEWALK AND RINK

Send for Catalogue.

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"WORLD'S ONLY" SANITARY DUSTLESS FLOOR BRUSH

and made a strong report in favor of its adoption by school boards. Write for a copy of the report and the agency for your town.

Milwaukee Dustless Brush Co.,

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At Sea Girt, Aug. 31, Sept. 8, Victories! Revolver and Military contests,

Peters Cartridges and King's 8emi-8mokeless Took all the following prizes

WIMBLEDON CUP, 1000 yards, SCHUETZEN MATCH.

INTERSTATE MILITARY MATCH,

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NEW JERSEY RIFLE ASSOCIATION TROPHY MATCH,

WINCHESTER MATCH, REVOLVER RE-ENTRY MATCH,

REVOLVER TEAM MATCH;

in fact almost everything within sight.

Peters Cartridges are all loaded with the famous King's Semi-; Smokeless.

THE PETERS CARTRIDGE CO., Cincinnati.

Eastern Branch, T. H. EELLER, Mgr., 80 Chambers St., M.Y. Hibbard, Spence , Bartlett & Co., Chicago, III.

Proposals.

ENGRAVING AND PRINTING SUPPLIES.

ENGRAVING AND FRINTING SUPPLIES.

Treasury Department, Bureau of Engraving and Printing, Washington, D. C., January 20, 1902.—Sealed proposals will be received at this office until 2 p. m., Monday, March 3, 1902, to furnish, during the fiscal year beginning July 1, 1902, the following classes of supplies viz: Dry colors, hardware, engravers' supplies, textiles, rubber goods, oils and dexirine. Sealed proposals will also be received until 2 p. m. Monday, March 34, 1902, for the following classes of supplies, viz: Binders' supplies, lumber, plumbers' supplies, grocers' sundries, chemicals, paper and electrical supplies. Awards will be made only to established manufacturers of, or dealers in, the articles. The right is reserved to reject any or all bids or parts of bids. Blank forms, with specifications for proposals and further information desired will be furnished intending bidders on application to WM. M. MEREDITH,

WM. M. MEREDITH, Director of Bureau.



The Best Water Purifier EAGLE WATER STILL.

simple to operate. Converts the feature into water of crystal parity, revit is, delicious and palatable to the tests. It can operate it. No homehold on the without it. No expense. pocal inducement prices to the trust. For particulars address.

Health & Comfort Supply Hig. Ca.,
Det. O.,
CINCINNATI, O.

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IT IS NEW

Fits any window, fits it closer than a screen made to order and looks just as well, though it costs only half as much.

The dealer who expects a profitable screen business next season, cannot afford to be without the **VERMONT**.

REMEMBER:

Porter Screens are the Best Made

The Vermont is the best Porter Screen.

Write for our new catalogue of screens for doors and windows. It contains many new designs.

PORTER SCREEN MANUFACTURING CO., Burlington, Vt.

THE G. DROUVE COMPANY, BRIDGEPORT, CONN.



MANUPACTURERS OF **Metal Skylights** Ventilators. Finials.

Cornices and Sheet Metai Work of every description. Send for catalogue.

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For Butler's Pantry Doors and all other Swing Doors the

"BARDSLEY" CHECKING SPRING HINGE

unequaled. It closes the door with a soft, gentle and noiseless action and stops it at once at the center. It goes in the floor under the door.

Made in 6 Sizes.

CATALOGUE FREE.

JOSEPH BARDSLEY, 147 to 151 Baxter \$t.. : 6**000000000000000000000**

" Keeping one's name before the public" is a part of advertising, but telling the public why that name is kept before it is generally a more valuable part.

ALFRED FIELD & CO..

93 Chambers and 75 Reade Streets, New York. Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

IOSEPH RODGERS & SONS, LIMITED, BEST CUTLERY IN THE WORLD, PEUGEOT FRERES, COATES CLIPPER MFG. CO. ELEY BROS., LIMITED, L. HUGONIOT TISSOT, ISAAC GREAVES, W. K. & C. PEACE, R. & J. LINACRE, WEBSTER & HORSFALL, CAPS, WADS, CARTRIDGE CASES, ETC.
FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
SHEEP AND GARDEN SHEARS,
GRASS HOOKS, SCYTHES AND STRAW KNIVES,
GRASS HOOKS, SICKLES, ETC.
PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of the following brands of Cutlery. FRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY Co., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.,

STERLING TOOL HANDLE.

Always Ready and Everlasting.



No. 8 A. Price 15 Cents.

STERLING WRENCH CO., Rockford, Ill.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852

Tools, Cutlery and Springs.

MREWDRIVERS OF ALL KINDS

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STEP LADDERS, CLOTHES BARS, HOOK RACKS, FOLD-ING CLOTHES RACKS, TOWEL ROLLS, TOWEL ARMS, ROPE REELS, IRONING STANDS AND BOARDS, FOLD-ING TABLES, COMMODES, MEDICINE CABINETS.

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Powers' Top Chimney

BEST ON EARTH.

Best cover, base, bearing, mountings, and brace. Last longest, easiest made, and makes least noise.
Used with gal. sheetiron base. Iron mountings sold by Leading Jobbers with pattern free for cover and vane.
Address

Powers Bros.

STREATOR; ILL.

Sole owners,

(Newton's Patent.) Every DEHORNER Deherner **Guaranteed**

IMPROVED
THOUSANDS IN USE.
Ask your hardware dealer for them or write
H. H. BROWN MFG. CO.. · DECATUR, ILL.

The Pero Hone Strop.

A PERFECT STROP FOR MEN WHO SHAVE THEMSELVES.

Something Entirely new and that you can recommend. The result of 20 years experimenting by an expert barber. Lasts a lifetime. Pays a Liberal Profit and money refunded if not satisfactory. Write for full particulars and testimonials.

MR. DEALER:

DO YOU WANT A GOOD THING?

In other words if you want to give your customers BEST VALUE in OVENS

BUY THE TROY

Bake quickly, perfectly, and evenly on both top and

Before placing your oven order write us for particu-lars and prices. It will pay you.

ROYAL POLISHED STEEL ROASTER CO., TROY, O.



IMHAUSER'S Watchman's Time Detectors That Cannot Fail.

Made with 12 or 24 different keys. Contain all the modern improvements. Warranted in every way. Cannot be tampered with, without detection. Manufactured by

E. IMHAUSER & CO., 206 Broadway, New York-Write for Catalogue. Highest Award Pan-American Exposition.

J. H. PERO, - 237 N. Clark St., CHICAGO.



WE SOLICIT YOUR TRADE

Cherola CANTON, O. ur Jobber for our goods. hasn't them, WE HAVE.

THE ROYAL SAW-SET.

Full View of Saw Teeth While Using.



Special Size for Cross-Cut Saws "GIANT ROYAL."

Packed in boxes containing one-half dozen and cases containing one-half gross.

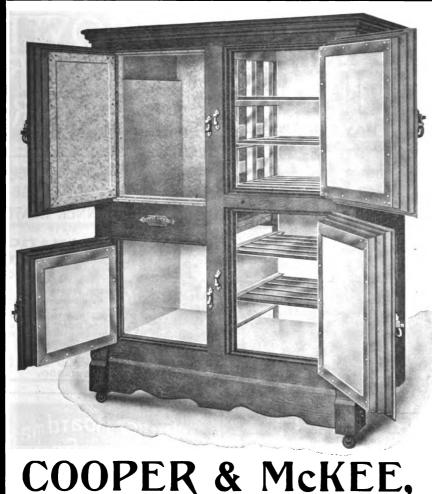
NEW AND NOVEL.

ALL WEAK POINTS OVERCOME.

FOR EITHER HAND OR BAND SAWS.

THIS CUT SHOWS SET IN USE FOR HAND SAW.





GLASS LINED "HYGIENIC" REFRIGERATORS.

NOVEL

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ATTRACTIVE.

NEW CONSTRUCTION.

"NEW COLUMBIAS"

"CHAMPION"

"NEW DOMESTIC"

Ask for our new Catalogue.

111-119 GWINNETT ST., BROOKLYN, N. Y.

The Milton Mfg. Co.

MANUFACTURERS OF



COLD PUNCHED NUTS,

Chamfered and Trimmed, Plain, square and hexagon. Also, Semi-Finished and Finished Case Hardened Hexagon Nuts.



Hot Pressed Nuts, Plate Washers, Refined Bar Iron.



Quality and Finish the Best. * * *
Send Specifications for Prices. * * *

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The Milton Manufacturing Co.,

MILTON, PA., U. S. A.

They should be used early get the best results, so don't wait until Spring to order a stock of

The Dunham Jr. Hand Lawn Rollers.

GET A STOCK NOW AND KEEP THEM IN SIGHT.
You can't sell them unless people know you have hem.

SIZE TO DO

J.W. DUNHAM & SON,





FRYING-PAN CLOCKS

Are unique and ornamental as well as useful. They come in two sizes, 10 in. dial, with raised figures, and 6 in. dial, with painted figures. . .

Also Tile, Program and 60-Day Clocks. SEND FOR CATALOGUE NO. 1000.

The Prentiss Clock Improvement Co.,

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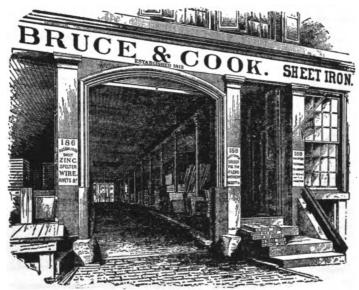
RUGE & GOOK,

TIN PLATES AND METALS,

186, 188 and 190 WATER STREET, 248 and 250 PEARL STREET, . . .

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment. . .



Asti Babbit Metal. Roller Rods Burritt's D'ble Seamer. Copper Bottoms. Copper Circles. Copper Ingot. Copper Sheets. Copper Wire. Corrugated Leader. Cor. Bibows and Snoes Dampers. Bave Trough Leaded. Bave Trough Galvan'd. Bave Trough Mitres. Bave Trough Irons. Ribows-Stove Pipe. Ribows-Adjustable.

Gem Gasoline Furn Gutter, Wide Roof. Gutter Strainers. Hard Metal. Kettle Ears. Lead-Bar and Pig. Leader Hooks. Malleable Bars. Mallets. Metal Lath Metallic Paint. Nails-Roofing Tinsed. Nails--Wire Roofing. Spelter.
Nails--Wire R'g Tinned Spelter Solder. Pail Woods. Perforated Tin. Ribbed Leader. Roofing Tin Plates.

Rochag Seamers. Rocin. Sheathing Paper. Sheet Iron-Char. Cl'd. Sheet Iron-Cold Rol'd. Sheet'Iron-Com. Cl'd. Sheet Iron--Corrugated Sheet Iron--Galvanised Sheet Iron-Planished. Sheet Iron-Russia. Solder. Soldering Coppers. Squaring Shears. Stove Boards. Stove Pipe. Stove Pipe Collars. Strainer Wire Cloth.

Taggers Irea. Taggers Tia. Terne Plates. Tin-Bar and Pig. Tin Plates. Tin Shingles Tinners' Machin Tinners' Tools. Ventilators-Globe Wall Hooks Water Cut-of Wire-Annealed. Wire-Bright. Wire-Coppered. Wire-Galvatilett Wire Tinned. Zinc for Etching. Zinc Sheets.



SMOKELESS **ODORLESS**

BANNER HEATERS HAVE AN

AUTOMATIC SAFETY

STOP.

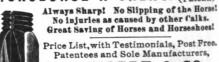
which prevents the flame from burning too high.

For Bed Room, Smoking Room, Bath Room, Library, Nursery, Office, Conserva-tory, Camp or Cottage

THE PLUME & ATWOOD MFG. CO.,



HORSESHOE-H-CALKS. (Neuss' Patent.)



LEONHARDT & CO., BERLIN-SCHOENEBERG, GERMANT



HERE IS ANOTHER TRADE WINNER FROM THE NATIONAL FACTORY.

It is with such Goods as these that Profits are made.



THIS is an Automatic lift drop head stand with an easy and absolutely positive action, accomplished with mechanism of extreme simplicity. The design of the woodwork is new, classic, elegant, artistically executed and wholly in harmony with modern patterns of high class household furniture.

Nothing at all approaching the artistic excellence of this stand has ever before been associated with a sewing machine, and in quality of material, workmanship and finish it is technically of the highest class and cannot be surpassed.

IT IS WITH SUCH GOODS AS THESE THAT THE LIVE DEALER CAN WIN AND HOLD TRADE; THEY ARE BEYOND THE REACH OF COMPETITION.

CORRESPONDENCE SOLICITED.

National Sewing Machine Company BELVIDERE * ILLINOIS

NEW YORK, 93 Reade St.

CHICAGO, 49 Jackson Boul.

SAN FRANCISCO, Hearst Bldg.

PADLOCKS...



Smooth or Government Finish.

Furnished the U.S. Post Office Department for mail bags for nearly twenty years.

ALL PADLOCKS

made with four tumblers cach.

WRITE FOR CATALOGUE.

THE SMITH & EGGE MFG. CO.,

BRIDGEPORT, C2NN.

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THIS CAN - - -

HAS A

Clock Spring Steel Bottom

Of extreme durability and springiness. The CYLINDER is of DOUBLE THICKNESS around the lower edge, and is drawn seamless from extra heavy "Swedoh" Steel, Beautifully Finished It readily commends itself to all AGRICULTURAL and HARD-

WARE DEALERS on account of its Elegance, Durability and Cheapness.

Special price on large orders from the Jobbing Trade.

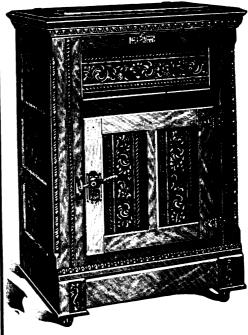
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CONN. . .

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HARDWARE

F. E. Myers & Bro., Ashland, Ohio, the manufacturers of the celebrated Myers pumps and hay tools, have just completed the erection of a large raw material storehouse. It is a three-story brick, 50x160 feet, of modern architecture. They are also increasing the capacity of their power plant by placing a 400 h. p. automatic high speed engine, a battery of Wilcox & Babcock boilers, two extra large dynamos and additional motors. These additions will make their power, light and storage capacity nearly one-third greater than here-tofore.

C. T. Williamson Wire Novelty Co., Camp and Mulberry Streets, Newark, N. J., have recently issued an important 60-page catalogue, which embraces their entire line. The completeness of this large-size pamphlet indicates the almost endless variety of Corkscrews, Hooks, Champagne Taps and Bent Wire goods that are now manufactured by these pioneer makers of this profitable line for the dealer to handle. The trade interested in the sale of specialties of this character are invited to write for their new catalogue, which the company, upon request, will gladly mail free of expense.

William W. Matthias, for some years traveling salesman for The Eagle File Co., at Middletown, N. Y., and more recently sales manager of the J. Barton Smith Co., of Philadelphia, was, on January 1, appointed assistant manager of the New York Knife Co.'s factories at Walden, N. Y.

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Among the number of special features distributed by the J. D. Warren Mfg. Co., Chicago, to keep the name of their Hardware Shelving before the people, they are distributing this year a very handsome little memorandum book with a celluloid cover, on the outside of which reproductions of Roman art are given, and also a reduced illustration of the interior of the "handsomest Hardware store in the United States." Among the pages for memorandum will be found a list of antidotes for poisons, list of foreign coins with their value in United States money, tables of foreign weights and measures, with their American equivalents, interest tables from 6 to 20 per cent., official population of the United States, one hundred largest cities in the world, rates of postage, etc. These handsome and handy booklets will be forwarded to the trade on application, and they indicate a degree of usefulness that would make such application a very desirable thing to make. We have also received from the above company a useful and attractive hanging calendar exploiting the products for which they are famed from one end of the country to the other, illustrating in the center their magnificent product, showing the Gray & Dudley Hardware store in all its artistic excellence.

F. E. Myers & Bro., Ashland, Ohio, issue, as usual, a catalogue calendar which is practically a duplicate of those they distribute annually, to assist in the work that their regular catalogue is supposed to initiate. It is a large hanger with views of the firm's works shown graphically on the upper portion, while the remaining space is filled with cuts of the Myers product, embracing as it does Pumps, Haying Tools, Door Hangers and a large and extensive line of specialties. The cuts are all carefully numbered, in order that reference may be made to the general catalogue issued by the firm, to this extent forming a valuable adjunct. The calendar itself occupies the center of the hanger, where a space is left in the lower part to put in the dealer's name, if necessary.

Charles F. Guyon, who since 1896 has had his headquarters in London, representing the Monarch Cycle Co., and during the past year or two the interests of Markt & Co., has since January 1 been connected with the export business of Alfred Field & Co., 93 Chambers Street, New York, in whose interests he sailed on the *Teutonic* for Liverpool January 15th. The thorough knowledge which his long residence abroad has gained him in connection with this important branch of the Hardware business will make his present connection mutually advantageous.

Snell Mfg. Co., Fiskdale, Mass., are distributing at this season of the year a very artistic hanging calendar adorned with a reproduction of a painting called "The Elopement," by M. Wunsck. This is printed in a number of colors, and gives the calendar an air of artistic excellence that should be extremely apt to insure a prominent place in the office for its location.

The Holiday special number of Farm Machinery of St. Louis, under the editorial management of C. K. Reifsnider, was one of the handsomest and most attractive special numbers that have reached our editorial sanctum. They illustrate in their columns, in a very original manner, with fine half-tone engravings, portraits of the prominent men in the line of farm machinery and agricultural implements, the portraits forming part of a larger illustration, in which the homes of the gentlemen are also shown. These are profusely illustrated throughout the special number, and form a very attractive feature, and indicate by the universally handsome homes occupied by these gentlemen the profitable nature of the business enterprises with which they are connected. Reference is made to the fact that the advertising patronage of the paper has grown to such an extent of late to make it necessary to increase the size of the pages more in conformity with other papers devoted to the advertising of the same line of manufactures. It certainly indicates a degree of prosperity that we are pleased to note, and congratulate Brother Reifsnider on the fact that he is keeping well abreast of the prosperous times.

William M. Levyn, Hillman, Mich., desires the catalogues of the manufacturers of Stoves and Ranges, Hardware Specialties, Builders' Hardware and Cutlery. Having embarked in business with a view to carrying a complete stock embracing the above lines, he hopes to be favored with the class of assistance that good catalogues always present.

We acknowledge the receipt of the superb illustrated Special Edition of the Chattanooga Tradesman, which is their twenty-third annual number. It is one complete in every respect with ably written articles, many of which are finely illustrated, and all of which are of a character that will command attention by their excellence. Among these may be mentioned the following: "The Southern Coal Oil Fields," by Woodhead-Graham-Bowron; "The Need of the South for American Ships," M. A. Hanna; "The South from a Northern View Point," J. C. Bayles; "From a Northern View Point," editorial; "Investments in Southern Forests," C. A. Schenck, Ph. D. We are pleased to note the signs of abundant prosperity that are visible in the advertising pages of our esteemed contemporary, and trust that this year will be one producing equally gratifying results.

HARDWARE

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NO.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.

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Letters should be addressed

HARDWARE PUBLISHING CO.,

275 Broadway, New York.

L. E. MITCHELL,

President.

A. P. MITCHELL,

Secretary and Treasurer.

HENRY HOPKINS,

Editor.

A. E. BOLLES,

Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted Exclusively to the Hardware Trade.

Editorial Trade Review.

Extremely gratifying reports come from the manufacturers of leading lines of goods distributed by the Hardware trade. The orders received from the jobbing interests since inventories have been completed, and necessary plans laid out for future achievement, are sure indications of an active industrial year, progressive as to volume and detail, and aggressive as to methods and the accomplishment of specified results.

Orders already booked for immediate delivery are not regarded as being representative of the sum total of possible requirements, but as representing items of stock too light in volume to do more than open the season's business with larger specifications to follow when specified dates of delivery can be agreed upon on which to base the entire traffic of the season. Manufacturers who are giving a long look ahead see nothing but an eager, active market that will keep business moving through regular channels under a well-developed demand of gratifying dimensions. They are consequently producing stocks of leading goods in appreciable quantities as a reserve when possible to assist in meeting the views of the buyers as to deliveries, feeling confident that fuller stocks than usual will be the feature of Spring trade throughout the country.

While extravagant changes in price on staple Hardware lines are not looked for to any great degree by the level-headed buyers, the known condition as to orders already booked in the iron and steel lines for months

ahead exerts an encouraging influence that serious declines in prices on goods relying on these metals for their production need scarcely be anticipated. on some goods have been held so nearly uniform in quotation, while wide fluctuations upward have taken place in the raw material from which they are manufactured would warrant the assumption that the current profit was larger than generally supposed. In the case of wire nails this has been largely discounted by the later prices agreed upon to steady the market, and less apprehension is felt that outside competition will materially discourage the market. The indicated steadiness of the wire nail market at the present time has stimulated good orders, stocks being uniformly low in the trade, and it is hoped the future market will prove as steady as that of a year ago. The trade generally are buying wire nails with confidence, and this stimulus is felt in many other lines of Hardware in a way extremely beneficial to wider distribution.

With the general Hardware markets in their present healthful condition, orders from the jobbers will place stocks in better conditions for early delivery than was the case a year ago. Knowing by experience how many sales were lost from lack of stock to supply on demand, the dealers, both wholesale and retail, will not this year be accused of an unprofitable conservatism. As a nation we are growing so rapidly, and with so many diversified wants that are multiplied on every hand as profits enable us to purchase, comparisons with the past are falling into desuetude, and original calculations as to possible volume of trade must be made for each successive season.

There are a few lines of goods which hold the market at prices regarded by the entire trade as being unremunerative to the manufacturer, and naturally to the jobbers, whose special "quantity discounts" fade into nothingness when a state of affairs like this prevails. These lines should be averaged up by the leading makers in order to strengthen a weak market, and thus make sellers confident enough of the future to ask a profit on the present. Such goods are suggested as Wood Screws, Poultry Netting, Wire Cloth, Steel Goods, etc. A general revision of prices similar to that adopted on the Stanley Rule and Level Co. goods, under the above circumstances becomes practicable, when list prices and discounts are materially changed, and the trade cuts loose entirely from old, unprofitable conditions.

The Great Canals of the World.

"Great Canals of the World" is the title of a study prepared by the Treasury Bureau of Statistics for publication in the forthcoming volume of the Monthly Summary of Commerce and Finance. It shows the commerce, cost and dimensions of the great canals of the world, especially those connecting great bodies of water and which may be properly termed ship canals.

Ship canals connecting great bodies of water and of sufficient dimensions to accommodate the great modern vessels plying upon such waters are of comparatively recent production and few in number. The one great example of works of this character which has been a sufficient length of time in existence and operation to supply satisfactory data as to cost of maintenance and operation and practical value to the commerce of the world is the Suez canal, and for this the available statistics begin with the year 1870, while its new and enlarged dimensions only date from the year 1896.



For the Sault Ste. Marie canal, connecting Lake Superior with Lake Huron, statistics date from 1855, though for the canal in its present form they cover but about four years. Statistics of the Welland canal date from 1867, but for the canal in its present enlarged form cover only two years of operation. The other great ship canals of the world are of much more recent construction, and data regarding their operation, therefore, cover a comparatively brief term, and in some cases are scarcely at present available in detail.

The artificial waterways which may properly be termed ship canals are nine in number, viz.:

- 1. The Suez canal, begun in 1859 and completed in 1869;
- 2. The Cronstadt and St. Petersburg canal, begun in 1877 and completed in 1890;
- 3. The Corinth canal, begun in 1884 and completed in 1893;
 - 4. The Manchester ship canal, completed in 1894;
- 5. The Kaiser Wilhelm canal, connecting the Baltic and North Seas, completed in 1895;
- 6. The Elve and Trave canal, connecting the North Sea and Baltic, opened in 1900;
- 7. The Welland canal, connecting Lake Erie with Lake Ontario:
- 8 and 9. The two canals, United States and Canadian, respectively, connecting Lake Superior with Lake Huron.

The description which is given of each of these great waterways shows that the length of the Suez canal is about 90 miles, the cost \$100,000,000, the present depth 31 feet, width at bottom 108 feet and at the surface 420 feet, and that the number of vessels passing through it has grown from 486 in 1870 to 1,494 in 1875, 2,026 in 1880, 3,389 in 1890, and 3,441 in 1900. The tolls charged are about \$2 per net registered ton.

The Cronstadt and St. Petersburg canal, which gives a passageway for great vessels to St. Petersburg, is 16 miles long, including the deepening of the bay channel, 20½ feet in depth, and the total cost estimated at \$10,000,000.

The Corinth canal, which connects the Gulf of Corinth with the Gulf of Aegina, is 4 miles in length, 26½ feet in depth, 72 feet wide at the bottom, cost about \$5,000,000, and reduces the sailing distance about 175 miles. The average tolls charged are 18 cents per ton and 20 cents per passenger.

The Manchester ship canal, which connects Manchester, Eng., with the Mersey river and Liverpool, was opened in 1894. Its length is 35½ miles, depth 26 feet, width at bottom 120 feet and at the surface 175 feet, and cost \$75,000,000. The commerce on the canal shows a growth from 879,204 tons in 1895 to 1,492,320 tons in 1900.

The Kaiser Wilhelm canal, which connects the Baltic and North Sea through Germany, is 61 miles in length, 29½ feet in depth, 72 feet wide at the bottom, 190 feet wide at the surface, and cost about \$40,000,000. The number of vessels passing through it has increased from 19,960 in 1897 to 29,095 in 1900, of which number 16,776 were sailing vessels. The tonnage in 1897 was 1,848,458, and in 1900, 4,282,094 tons. An additional canal connecting the same bodies of water by way of the Elbe and Trave rivers was opened in 1900. Its length is 41 miles, depth about 10 feet, width 72 feet, and cost \$6,000,000.

The great North Holland canal, which connects Amsterdam with the sea, cut in 1845, but deepened at a later date, has now a depth of 20 feet, a width of 125 feet at the surface. The Caledonian canal, which connects the Atlantic and North Sea through the north of Scotland, is 17 feet in depth, 50 feet in width at the bottom, 250 miles long, cost \$7,000,000, and is at its highest point 94 feet about sea level. The canal du Midi, cut through France from Toulouse on the Garonne to Cette on the Mediterranean, a distance of 150 miles, is $6\frac{1}{2}$ feet deep, 60 feet wide, and 600 feet above

sea level at its highest point, and has 114 locks; total cost, \$3.500.000.

In America the canals connecting the Great Lakes are the principal ship canals, and are three in number: The Welland canal, originally constructed in 1833 and enlarged in 1871 and 1900; the Sault Ste. Marie, or St. Mary's river canal, opened in 1855 and enlarged in 1897; and the Canadian canal at St. Mary's river, opened in 1895. The American and Canadian canals at St. Mary's Falls are practically identical in location and dimensions, and are used interchangeably by vessels engaged in commerce, as convenience may dictate. The depth of the canals at the St. Mary's river is sufficient to accommodate vessels drawing 20 feet of water. The American canal was originally constructed by the State of Michigan, but subsequently taken charge of by the United States and enlarged at a cost of \$2,150,000. The cost of the Welland canal was about \$30,000,000, largely due to the fact that 25 locks are required in surmounting the rise of 327 feet in the distance of 27 miles. The number of vessels passing through the canals at St. Mary's river has greatly increased during the past few years, while the number passing through the Welland canal has materially decreased; the number passing through the St. Mary's canals being, in 1873, 2,517, and in 1901, 20,041, of which 15,837 passed through the United States canal, and 4,204 through the Canadian. The number of vessels passing through the Welland canal has decreased from 6,425 in 1873 to 2,202 in 1899. The marked contrast between the business of the St. Mary's Falls and Welland canals is largely due to the fact that the freights originating in the Lake Superior district are chiefly discharged at Lake Erie ports, and those destined for the Lake Superior region are chiefly produced in the section contiguous to Lake Erie, the Lake Superior freights being chiefly iron, copper and grain, and the Lake Erie freights for Lake Superior, coal and manufactures. The business of the St. Mary's Falls canals by far surpasses in volume that of any other canal of the world, the freight tonnage of the American and Canadian canals combined being in 1901, 24,626,976 registered tons, while the net tonnage of the Suez canal in 1900 was 9,378,152 tons, and that of the Kaiser Wilhelm canal 4,282,094 tons.

Death of Marcellus Hartley.

Marcellus Hartley died suddenly January 8, in the directors' room of the American Surety Co., 100 Broadway, New York, while attending a meeting of the company's executive committee, of which he was a member.

Marcellus Hartley was born in this city September 28, 1828, his father being the late Robert M. Hartley, himself remarkable for work among a large number of charitable institutions and movements. After receiving his education at one of the classical schools in this city, Marcellus entered the counting room of Francis Tomes & Sons, leading importers and dealers in guns and fancy Hardware. It was because of this early training in the handling of guns that the young man grasped that knowledge which was destined to make him invaluable to the United States Government during the Civil War. Also, until the very end he remained identified with one of the largest gun and arms establishments in the country.

After acquiring a knowledge of the business in connection with J. Rutsen Schuyler and Malcolm Graham, associated with the house of Young, Smith & Co., Mr. Hartley established in 1854 the firm of Schuyler, Hartley & Graham, which continued until the retirement of Mr. Schuyler in 1876, when it was known as Hartley & Graham. In 1898 Mr. Graham died, and the firm was then incorporated with Mr. Hartley as its president, the name being changed to the M. Hartley Co.

It was in the early days of the Civil War that Mr. Hartley was called upon by Edwin M. Stanton to take charge of an

important service in the Government. The Union troops were sorely in need of arms and ammunition of modern make, the Confederates were receiving their arms and ammunition from abroad, and it was necessary to send to Europe a man who thoroughly understood the business of selecting fit weapons and also one who would prevent the Confederates from getting the arms which foreigners were only too willing to sell to them.

As the agent of the Government abroad Mr. Hartley was commissioned a brigadier general, with plenary power, opening for him an unlimited credit with Baring Bros. of London, the fiscal agents of the Government there. Throughout his service during the war many millions of dollars' worth of purchases were made for the Government by Brig. Gen. Hartley, who, at great pecuniary sacrifice to himself, accepted the post, receiving only the salary of his rank.

By remarkable sagacity, his close attention to business, and by his earnestness and an indomitable will, Mr. Hartley added to his business interests in the course of time, until he became identified as president, director or trustee with no less than fifteen well-known corporations. Among these were the American Deposit and Loan Co., the American District Telegraph Co., the American Surety Co., the Audit Company of New York, the Bridgeport Gun Implement Co., the Equitable Life Assurance Society, the Fifth Ave. Trust Co., the German-American Bank, the Lincoln National Bank, the Manhattan Railway Co., the Mercantile Trust Co., the Remington Arms Co., the Union Metallic Cartridge Co., the Western National Bank, and the Westinghouse Electrical Mfg Co. The latest great enterprise with which Mr. Hartley was identified was in the organization of the International Bank, of which he was president.

Mr. Hartley was a member of many clubs and societies, both social and scientific. He was one of the early members of the Union League Club, and for more than thirty years was a firm supporter of that organization. He was also a member of the Lawyers' Club and a patron of the American Museum of National History and the Metropolitan Museum of Art. He was also a member of the following: The American Fine Arts Society, the Presbyterian Union, the New England Society, the Republican Club, and the Essex County Club of Orange, N. J.

Mr. Hartley married Miss Frances Chester White, daughter of the late Dr. S. Pomeroy White of this city. The couple had four children, but only one, a married daughter, the wife of George W. Jenkins, president of the American Deposit and Loan Co., survives him. The eldest daughter married Norman Dodge, and a twin daughter James Stokes.

At the funeral services, either as pallbearers or friends, were many of the best known men in New York and other cities in financial and other great business and professional enterprises.

Metal Preservation.

The Joseph Dixon Crucible Co., Jersey City, N. J., give interesting information concerning the protective painting of the Union Railroad Bridge, which crosses the Monongahela river at Pittsburgh (Rankin), Pa. The associate engineers were Messrs. Emil Swensson, designer and engineer of construction, and Wm. H. Smith, chief engineer, Carnegie Steel Co. The total weight of this bridge is 5,135 tons, and it has a total length of 2,328 feet. Designed for carrying molten metal from the Carrie Furnace to the steel mill and raw materials to the furnaces, this notable steel structure is subjected to heat from the molten metal, sulphur fumes from locomotives and river steamers, also from the adjoining furnaces and steel mills. No other steel bridge in all the world is exposed to so many and severe destructive agencies. The best metal preservative was necessary, and the eminent engineers selected for its protection Dixon's Silica-Graphite Paint, as manufactured by the Joseph Dixon Crucible Co.

LEGAL CORRESPONDENCE.

Any subscriber to "HARDWARE" is privileged to ask any legal question he pleases in this Department and it will be answered free of charge. Address all communications to Editor "HARDWARE," No. 277 Broadway, New York City.

Amount Recoverable in Action for Negligence Causing Death QUESTION: About a year ago my son, a boy of fifteen years of age, was run over by a cable car in New York City and killed. I have never brought suit, but a friend has recently suggested that I do so. Kindly inform me whether there is any limit as to the amount that can be recovered in a case of this kind, and also how long I have in which to commence suit.

REPLY: Under the common law no cause of action existed to recover damages for the death of a person caused by the negligence of another. The Legislature of this State recognizing the faulty condition of the common law passed a statute creating a cause of action in a case of this kind, but limited the amount of recovery to \$5,000. This statute remained in force for some time until the saying that under the law of this State it was cheaper to kill than to wound became quite common. This statute was superseded by our present statute in which no amount is fixed as a limit of recovery. The period of time within which this action must be brought under Section 1,902 of the New York Code of Civil Procedure is two years after the decedent's death.

Power of Executive Committee of Corporation.

QUESTION: I would like some information on the following question: I am one of three members of the Executive Committee of a corporation. The corporation has a Board of Directors whose duty it is to appoint an Executive Committee consisting of three members, whose business it shall be to determine the amount of salary to be paid officers of the corporation, to make contracts and to determine all matters affecting the business and policy of the corporation. A short time ago I as a member of this committee made a contract with an individual in Liverpool. We are having some difficulty with this person, and I desire to know whether I had the right to make this contract alone without the express knowledge of the other two members of the committee. had general authority from the other two members of the committee to make contracts of this general character. If I had no authority to make this contract could the person with whom I made it enforce it against the corporation?

REPLY: We are of the opinion that where the Board of Directors of a Corporation elect or appoint an Executive Committee consisting of three or more members and delegate to them powers which as a general rule would be vested in the Board of Directors, this executive committee has no power in turn to delegate the power with which they were vested to another person or to one of its members. A case somewhat similar in point of theory was recently decided by the Appellate Division of the New York Supreme Court, First Department, which held that a contract made by one member of the Executive Committee constituted as you have described was void, for the reason that the committee had no power to delegate the performance of an act involving discretion to one of its members.

QUESTION: A salesman from a publishing house called upon one of our employees and induced him to subscribe to a set of books, amounting in value to \$39.60, to be paid for by installments. He agreed to take the books and signed an order for the same on one of the publishing company's printed blanks. Before any of the books were delivered he wrote the publishing company, cancelling the order, and stating he did not desire the books. They, however, shipped the books, but he refused to receive them from the express company, and the books, consequently, never have been in his possession. A lawyer, claiming to act under instruction of the publishing house, has written, threatening him with a suit if he does not pay for the books. Have they a valid claim against him, and could they collect the amount?

REPLY: Upon the facts stated, we are of the opinion that if your employee agreed to purchase books from a certain publishing house, that the publishing house would have a

cause of action against your employee for damages for the breach of his contract. A valid contract came into existence at the time the employee accepted the terms of the agreement and signed the contract, and we are of the opinion that the publishing house has the right to insist upon the performance of the contract, and are entitled to the benefit of their bargain, if they desire to proceed along these lines.

Foundry Molding Materials.

One of the most important features of foundry practice lies in the selection and proper combination of molding materials, for the character of the casting is so largely dependent upon the mold that the slightest deviation in any point is very liable to impair or ruin the whole work, which would mean a heavy loss to the foundry owner. So exacting are the requirements in molding that foundry owners strive to obtain the most reliable men for the work and foundry molders now command high wages. The art of molding, for an art it may well be called, has made rapid strides during the past decade or so and the proper materials and their combination in order to secure specific results have through long series of experiments been determined to a certainty.

The leading materials which enter into foundry molding, as practiced to-day, are sand, clays, blacking, coal-dust and a substance to bring about cohesiveness in the mold, various substances being now used for this purpose. A fine homogeneous argillaceous sand is commonly employed in casting, the physical qualities desired being elasticity, strength and a certain degree of fineness. In order to admit of molding around the pattern the molding material must be plastic, and it must also have sufficient strength to stand when the pattern has been removed, and at the same time it must be able to resist the molten mass when poured into the mold. The presence of too much iron and clay will cause the mold to shrink and crack when subjected to intense heat in casting, while if these substances are not present in sufficient quantities the mold will dry and crumble and is liable to collapse. A microscopic examination of a grain of sand shows that it is coated with a thin film of clay which gives the desired results mentioned above. While the chemical composition of a molding sand is a matter of importance the physical properties are looked to with more care by molders. In order of their importance the four requisities of a molding sand are refractoriness, porosity, fineness and the property of bonding. The first mentioned quality depends largely upon the absence of such fluxing materials as calcium carbonate, alkalies and iron oxides, artificial mixtures being generally resorted to in order to prepare molds for the various kinds of molding. Sands containing limes or alkalies in the form of free calcite or feldspar are sometimes liable to fusion in the heavier casts, and in this case it is customary to coat the surface of the mold with a graphite preparation. While molding sands vary for different kinds of work the general average of the sands used in the foundries of this country contain from 80 per cent. to 85 per cent. of silica, 7 per cent. to 10 per cent. of alumina, 2 per cent. to 4.5 per cent. of ferric oxide, about 2.5 per cent. of water, something over 1 per cent. of calcium carbonate, less than 1 per cent. of magnesia and a slight trace of potassium, manganese and organic matter.

Sands suitable for ordinary molding are found in nearly every locality, the sands for finer work being confined, however, to a few parts of the country, some of the sand used in bronze casting being imported from Europe. Alluvial sands are usually used for common molding purposes. The term "green sand" is applied in molding to argillaceous sand in an undried state and which is used as it comes from the ground. The term "dry sand" is used in contradistinction, and dry sand molding is better suited than green sand to molding pipes, cylinders, shafts, columns, etc.

Loam in the form of clay comes next to sand in molding.

Plumbago forms the blacking used in preparing molds, but of late years a patent blacking in the form of pure carbon distilled from paraffine has come into wide use. Mineral carbon or lead and charcoal are sometimes used. In foundry facing, feldspar, chalk and many other mineral substances are to be avoided. Core and core ventilation is an important feature in molding and parting sand is used to prevent the separated parts of the molds from uniting. In addition to the regular sand prepared for this purpose red brick dust, free sand, blast furnace slag, culm and other materials are used for parting sand.

The manufacture of coal dust for foundry purposes, commonly called "foundry facing," forms an important industry in different parts of the country, particularly in the bituminous coal fields. Numerous plants for the manufacture of coal dust for foundry purposes are located in the Pittsburgh coal field. The Pittsburgh Coal Co. is a large manufacturer, and the Westinghouse Co. also operates a big plant for the manufacture of the material for its own use. This material is made from slack refuse coal ground into different grades of fineness to suit the different kinds of foundry molding. In casting, this coal dust burns out and thus passages in the molds are formed for the circulation of air and the escape of gases.

Talc or soapstone is an important material in foundry molding. This material is a necessary one in the preparation of every mold, the magnesia and lime contained in it giving a refractory result. The lime also helps to cement the sand and other constituents and gives a plastic and a cohesive result which causes vitrification at a high temperature. In steel molding, greater resistance in the molds is required on account of the excessive heat, and in brass, bronze and aluminum casting special molding formulas are observed.

About the great foundries of the Pittsburgh district are to be seen many interesting features of molding, for, like in other great centers of the iron and steel and allied industries, the foundry business has here been reduced to a science. All kinds of castings made anywhere in the world are made in the foundries of Pittsburgh, the great Westinghouse foundries being the largest in the world. The castings made run all the way from the heaviest war ordinance and the greatest machinery for industrial purposes down to the most intricate casting.

W. G. Irwin.

The South Carolina Inter-State and West Indian Exposition.

The great plan and scope of the South Carolina Inter-State and West Indian Exposition, at Charleston, is realized by very few from the fact that there has been, comparatively speaking, but little general exploitation of the undertaking. Its buildings are larger than Omaha, Atlanta or Nashville, and the floor space in many of them equals the Pan-American. In several buildings there is yet some available space, and a few lines of manufactures are not represented at all. The Exposition will not be fully completed, or at its best, before the latter part of January, and the largest attendance will be in February, March, April and May, when the Florida travel will increase it. Everything points to a financial success. The attendance from three hundred miles of adjacent territory will be unprecedented, as the railroad companies have undertaken to put every man, woman and child, that is able to travel, upon the Exposition grounds at a phenomenally low rate. Board and expenses for a week will be correspondingly low. Many exhibitors will, doubtless, reap better results here than from other expositions, where visitors went for "flying trips" and saw the Exposition but once or twice. Here they will make a week of it.

In 1834, the first practical application of the hot blast in the manufacture of pig iron was made in New Jersey.

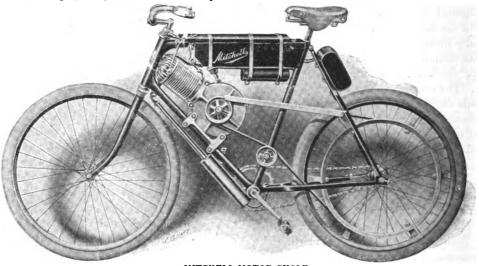
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The Mitchell Motor Cycle.

The Motor Cycle, almost unknown eighteen months ago, certainly not considered in the light of a practical business reality, is making rapid strides to popularity. A consideration of why this is so is both interesting and instructive. A great desire for some form of power driven vehicle has grown up as the various types of automobiles have been developed. This desire, however strong, cannot always be gratified, principally on account of the great cost of these machines, and right here comes in the motor cycle, at a fifth to a hundredth of the cost. For many purposes of business and pleasure it answers perfectly. It is simple, safe, and costs infinitely less

be teething. The one item of saving a large percentage on your fire insurance will of itself repay the item of dues many times over. Last year the membership who availed themselves of this privilege saved 35 per cent., and it looks as though they would save more this year.

There are about three classes of dealers in the Hardware business in Wisconsin. First: The up-to-date, live dealer, who is able to see the benefits of co-operation and don't believe the treasurer swipes all the dues. Second: The knowit-all, who needs no help, sends back drafts made on him for unpaid dues, and needs no help to manage his business, but he is a little growler just the same. Third: The indifferent one, who is pegging along in the same old rut, and probably will until death makes a change. Which class are you in?



MITCHELL MOTOR CYCLE.

to operate it and care for than the big vehicle. As an example of the rapidly growing interest in these machines it might be stated that at the annual Stanley show in England there was shown but one motor bicycle a year ago, while at the one recently held one hundred and ten were on exhibition.

The Wisconsin Wheel Works, Racine, Wis., have the distinction of having placed on the American market in their Mitchell Motor Bicycle (see illustration herewith) the first really practical machine at a popular and reasonable price, which meets in the highest degree the requirements of the public in power of motor, for combating hills, sand and wind, and in speed varying from five to thirty-five miles per hour.

The Mitchell, in addition to being powerful and speedy, is simple and very strong in its component parts. This company has shipped its motor bicycles to all parts of the world, in many cases to customers entirely lacking in knowledge of gasoline motors and motor cycles, and always with complete success. That their faith is strong is shown by a perusal of their guarantee. Mitchell Motor Cycles are sent out with the express understanding that if they are not satisfactory when operated according to the instructions accompanying each machine, money will be cheerfully refunded. The financial strength and known liberality of this concern makes their agency extremely valuable to be had at this time. One exclusive agent in a place and that one well taken care of is their rule. For catalogues and other information, address Department H, care of the manufacturers as above.

Wisconsin Retail Hardware Dealers' Association.

C. A. Peck, Berlin, Wis., secretary of the Wisconsin Retail Hardware Association, has issued a handsome souvenir pamphlet embracing the call for the annual convention to be held at Milwaukee, February 5-6. Mr. Peck, under the head of "A Few Words With You," says:

To non-members: Let me again most cordially invite you to "come with us and we will do you good." Don't wait until the meeting, but mail the secretary \$2 to-day and that pays your dues until 1903. Don't try to save pennies by losing dollars. If you wait until you come into the annual meeting you may not come. Trade may keep you at home. You may feel too poor. You may have the smallpox, or the baby may

PROGRAM.

WEDNESDAY, FEBRUARY 5, 1902.

11:00 A. M. Meeting of the executive committee.

1:30 P. M. Payment of dues. 2:00 P. M. Roll call.

Reading of minutes.

President's address.

Announcement of committees on transportation, resolutions, grievances, reception, legislation, auditing and question box.

Annual report of secretary.

Annual report of treasurer.

Paper: "How to Build Up a Good Retail Business," Fred Kusel, Watertown.

Election of officers by ballot.

Announcement of question box.

Report of committee on National Union, Schlaffer and Nash.

Adjournment.

THURSDAY, FEBRUARY 6, 1902.

Good time. No business.

8:30 A. M. Payment of dues.

9:00 A. M. Report of special committee on Constitution. Question box.

Paper, Scofield, Sturgeon Bay.

Reception and remarks by visitors.

Paper by Merbach, Ripon: "Some of the Evils of the Trade."

Reports of committees.

Question box.

Adjournment.

2:00 P. M. Discussion of report of committee on Consti-

Paper: "H. L. McNamara, "Relation of Traveling Men to Retailers."

Paper: "O. P. Schlaffer, "Benefits of National Union."

Discussion.

Unfinished business.

Adjournment.

Iowa Retail Hardware Dealers' Association.

The program for the Fourth Annual Meeting of the Iowa Retail Hardware Dealers' Association, to be held in Des Moines, February 18-19-20, has been completed. It is replete with papers on bright topics and promises to be one of the most interesting that has ever been carried out by the association. The reports of the various officers will first demand the attention of the association, and it is expected that they will tell of a year of prosperity and give out much of greatest interest to the members of the organization.

PROGRAM.

TUESDAY, FEBRUARY 18, 2:30 P. M.

Organization.

Report of secretary.

Report of treasurer.

Appointment of committees.

7:30 р. м.

Meeting of the executive committee in parlors of Savery Hotel.

WEDNESDAY, FEBRUARY 19, 9 A. M.

Enrolling new members.

President's address.

Papers—"Benefits of Organization," H. A. Cole, Council Bluffs; C. R. Keating, Mt. Ayr.

Discussion.

Adjournment.

AFTERNOON SESSION, 2:30 P. M.

Paper, "Credits," S. R. Miles, Mason City.

Discussion.

Paper, "The Relation of Jobber and Retail Dealer," C. F. Schmidt, Marshalltown.

Discussion.

Adjournment.

EVENING SESSION, 7:30 P. M.

General discussion of topics suggested by the members of the association.

THURSDAY, FEBRUARY 20, 9 A. M.

Paper, "Trusts in the Relation to the Retail Dealer," George Staehler, Earlville.

Discussion.

Paper, "Our Competitors," L. Lindenberg, Dubuque. Adjournment.

AFTERNOON SESSION, 2:30 P. M.

Election of officers.

Question box.

Adjournment.

THE OFFICERS.

The officers of the association for the term of 1901-2 are as follows:

President-W. A. McIntire, Ottumwa.

Vice-President-E. G. Penrose, Tama.

Secretary—W. H. Keating, Ottumwa.

Treasurer-George S. Lister, Manchester.

Executive Committee—Jacob Seither, Keokuk; A. C. Heynew, Miles; L. Lindenberg, Dubuque; F. A. Marvin, Waukon; E. G. Penrose, Tama; W. A. McIntire, Ottumwa; L. H. Gutz, Des Moines; M. W. Keating, Afton; H. A. Cole, Council Bluffs; Harry Vincent, Fort Dodge; W. H. Millard, Cherokee.

Grievance Committee—E. P. Messer, Sheldon; S. R. Miles, Mason City; S. M. Doxsee, Algona; George S. Lister, Manchester; Frank Kupper, Burlington.

Michigan Retail Hardware Dealers' Association.

A called meeting of the executive committee of the Michigan Retail Hardware Dealers' Association was held at the Hotel Cadillac, Detroit, January 13th, pursuant to the call of the president. The following members were present: President H. C. Minnie, Messrs. Potter of Alpena, Popp of

Saginaw, Pipp of Otsego, Scott of Marine City, Harshaw of Delray, and Treasurer H. C. Weber, and the secretary. Mr. Chandler of Coldwater arrived too late to participate in the deliberations of the meeting. After an informal discussion as to the place of holding the next meeting, it was unanimously decided to hold it in Detroit, August 13th and 14th, at the Hotel Cadillac.

Various plans for increasing the membership were discussed, and it was finally, on motion of H. C. Weber, decided to make a general offer of \$1.00 cash for each new member obtained to vote on the following special prizes for those obtaining the largest list:

1st. A prize of \$25.00, open to all who turned in 12 or more new members, to be awarded to the one securing the highest number. Contestants for the \$25,00 prize are barred from participating in either the \$15.00 or \$10.00 prizes.

2d. A prize of \$15.00, open to all who secure 8 or more new members, to be awarded to the one securing the highest number. Contestants for the \$15.00 prize are not allowed to participate in the \$10.00 prize.

3d. A prize of \$10.00, open to all who secure 5 or more new members, to be awarded to the one securing the highest number.

On motion the president was instructed to appoint a committee who should have charge of the program for the August convention, and who should act in conjunction with the president and the assistant secretary. President Minnie appointed Messrs. Weber, Popp and Scott as members of that committee.

On motion the secretary was instructed to send to all members a list of the proceedings of this meeting, with that section of the by-laws relating to membership, in which he was to call especial attention to the prizes and awards for securing new members. He was also instructed to send a letter to the various Hardware traveling men in Michigan, calling their attention to these awards, and urging them to co-operate in securing new members.

Secretary Fred H. Cozzens being now engaged in the wholesale Hardware business in New York, he stated that he could not equitably longer maintain his relations with the organization, and he therefore tendered his resignation, to take immediate effect, which was accepted after a resolution of thanks and appreciation had been unanimously passed. A further resolution, voting the sum of \$100.00 in further recognition of his services in behalf of the retail Hardware trade, was also unanimously passed.

A resolution was also unanimously passed stating that it was the sense of the meeting that the sales of builders' Hardware to the consumer by the jobbers of Michigan were becoming altogether too frequent, and expressing it as the unanimous sense of the meeting that wherever such sales are made by the jobber, a proper commission or credit shall be given a retail dealer who does business within the normal selling district where the sale takes place. The secretary was requested to send a copy of these resolutions to all jobbers in Michigan, and to request their co-operation in having it enforced.

H. C. Weber was then elected secretary to fill the unexpired term caused by the resignation of Secretary Cozzens, with authority to appoint an assistant secretary, which he did at once, appointing Clarence A. Day, assistant treasurer of the Trade Journal Association, in such capacity. Meeting then adjourned.

Never Touched Him.

Shorts—The papers misstated some details of that accident to-day.

Longs—How so?

Shorts—They stated that the tramp who stole a ride on a mudscow was washed overboard—he wasn't. I saw him when they pulled him out and he was just as dirty as when he left the boat.—Harlem Life.

HARDWARE PATENTS.

The following list of Patents, Trade Marks and Designs of interests to the Hardware trade are furnished by Davis & Davis, Solicitors of American and Foreign Patents, Washington, D. C., and St. Paul Building, New York City.

PATENTS EXPIRED DEC. 16, 1901.

309,205. METHOD OF SECURING CABINET LOCKS IN PLACE, G. B. Cowles, New Britain, Conn., assignor to Corbin Cabinet Lock Co., same place.

309,215. Dustpan, L. B. Fletcher, Troy, N. Y.

309,253. WHEEL FOR ROLLER SKATES, S. R. Rust, Pine Meadow, Conn.

309,254. Roller Skates, S. R. & A. E. Rust, Pine Meadow, Conn.

309,276. BIT HOLDER, H. Wilson, Kingston, Pa.

309,280. Soldering Iron, A. F. Zimmerling, Milwaukee, Wis.

309,300. Sash Holder, J. F. Hamilton, Connersville, Ind.

309,313. Augur Handle, W. A. Peck, Rowe, Mass.

309,356. Carving Fork Guard, G. H. L. Packwood, Tampa, Fla.

309,400. Joiner's Plane, G. D. Mosher, Birmingham, Conn.

PATENTS ISSUED DEC. 17, 1901.

688,825. Burglar Alarm for Windows, H. G. Clark, Chicago, Ill.

688,933 & 688,934. Lock and Latch, J. Couture, Montreal, Canada.

688,952. Plumb, C. D. Janssen, Torrington, Conn.

688,957. Spring Hinge, C. S. Locke, Joliet, Ill.

688,969. Plane, S. R. & A. E. Rust, Pine Meadow, Conn.

689,049. Table Cutlery, I. Hirsch, Chicago, Ill.

PATENTS EXPIRED DEC. 9, 1901.

308,880. Door Check, E. F. Decker, Albany, N. Y.

308,892. SAD IRON, C. J. Haas, Flint, Mich.

308,893. Saw Swage, D. B. Hanson, St. Louis, Mo.

308,901. Egg Beater, O. Kitchell, Valparaiso, Ind.

308,910. Wooden Scoop Shovel, J. L. Locke, Grand Rapids, Mich.

308,934. Tool Handle, H. H. Trenor, New York, N. Y.

308,938. Cock or FAUCET, W. J. Wilson, Chelsea, Mass.

309,105, 309,106. Spring Hinge, J. H. Shaw, assignor to Sargent & Co., both New Haven, Conn.

PATENTS ISSUED DEC. 10, 1901.

688,347. Combined Calipers and Depthgage, A. Schuler, Chicago, Ill.

688,362. Coffee Mill, J. S. Tarr, Cleveland, Ohio.

688,418. CLOTHESWRINGER, M. P. Janisch, assignor, Automatic Wringer Co., Waupun, Wis.

688,496. Tubular Lantern, H. J. Vogel, assignor to the firm of Wm. Vogel & Bros., Brooklyn, N. Y.

688,497. Level, F. Weiman, Chicago, Ill.

PATENTS EXPIRED JANUARY 13, 1902.

310,557. Spring Balance Curtain Fixture, W. N. Buckley, Meriden, Conn.

310,564. Combined Sash Holder and Weather Strip, A. J. Davis, Hartford, Mich.

310,657. STEAM COOKER, H. A. Eaton, Manchester, Me.

310,752. Door CHECK, A. B. Walker, Canton, Ohio.

310,840. COMBINED LEAD PENCIL TIP AND TAPE MEASURE, I. B. Millner, Washington, D. C.

310,844. Door Check, E. Niggli, San Antonio, Tex.

PATENTS ISSUED JANUARY 14, 1902.

690,925. NIPPERS, G. J. Capewell, Hartford, Conn.

690,933. BENDING AND CUTTING PLIERS, S. M. Decker, Malden, Mass.

690,972. SAD IRON, A. Luethi, Lakemills, Wis.

690,983. CHERRY STONE, C. P. Mosher, Philadelphia, Pa.

691,046. Wrench Handle, F. L. Coes, Worcester, Mass.

691,077. BUTT HINGE, F. W. L. Schafer, Los Banos, Cal.

691,237. Handsaw, W. C. Buell, Indianapolis, Ind., assignor to E. C. Atkins & Co., Indianapolis, Ind., Corporation of Indiana.

PATENTS EXPIRED JANUARY 6, 1901.

310,163. Plane, W. F. Achenbach, Reading, Pa.

310,179. Door Closer, E. H. Brown, New York, N. Y.

310,204. COFFEE POT, L. P. Jenks, Boston, Mass.

310,221. Tubular Lantern, T. Phillips, Orillia, Ontario, Canada.

310,229. Door Hanger, O. Seeley, Syracuse, N. Y., assignor to E. C. Stearns & Co., same place.

310,292. CALIPERS, F. Lilja, Springfield, Mass.

310,349. CHAMFERING PLANE, R. V. Wicks, Brooklyn, N. Y.

310,352. Transom Lifter, J. F. Wollensak, Chicago, Ill. 310,409. Spring Hinge, W. Gillfillan, New Haven, Conn., assignor to Sargent & Co., same place.

310,439. Combined Knife and Scissors, M. Kamak, New York.

PATENTS ISSUED JANUARY 7, 1901.

690,391. WRENCH, F. P. Bates, Indianapolis, Ind.

690,417. WEATHER STRIP, G. W. Golden, Detroit, Mich.

690,440. Sash Fastener, J. A. Kemp, Farmington Hill, Pa.

690,533. MEAT TENDERER, R. Stone, Catawba, Wis.

690,537. CHANGEABLE COMBINATION KEY LOCK, W. H. Taylor, assignor to Yale & Towne Mfg. Co., Stamford, Conn.

690,555. Door Stop, W. V. Bleha, St. Louis, Mo.

690,647. RATCHET WRENCH, W. T. Garrett, Cedarville, Cal.

The Merchants' Association of New York.

The annual meeting of members of The Merchants' Association of New York was held on January 14th, at which meeting five directors of the board of fifteen were elected to succeed those whose terms expired at that time. The newly elected directors are George F. Crane, of Baring, Magoun & Co.; Adolph Openhym, of William Openhym & Sons; George L. Duval, of Beeche, Duval & Co.; each to succeed himself; and George Fredk. Vietor, of Vietor & Achelis, to succeed Alvah Trowbridge; and Herbert L. Satterlee to succeed Hon. John H. Starin.

There were also three vacancies in the board, created by the resignations of Messrs. William E. Tefft, Corcellus H. Hackett and Meyer Jonasson, who were unable to longer give the time and attention necessary to the increasing work of the association. These vacancies were filled, under the provisions of the by-laws, by the board of directors who elected, to succeed the members who had resigned, Messrs. Henry R. Towne, president Yale & Towne Mfg. Co.; W. A. Marble, vice-president R. & G. Corset Co., and W. E. Curtis, formerly Assistant Secretary of the Treasury under Mr. Cleveland.

There was a meeting of the board of directors prior to the annual meeting of the members of the association, at which a number of subjects were considered and acted upon.

Old Officers Re-elected.

The annual election of officers of the Simmons Hardware Co. was held January 8, and resulted in the re-election of all of the old officers, as follows: W. D. Simmons, president; J. E. Pitcher, first vice-president; J. E. Smith, second vice-president; A. E. Dunn, treasurer; George R. Barclay, assistant treasurer; F. N. Johnson, traffic manager; A. W. Douglass, secretary; and D. H. Simmons, assistant secretary. Advisory board, E. C. Simmons and Isaac W Morton.



RECENT TRADE PUBLICATIONS.

F. MEYROSE LAMP AND Mrg. Co., St. Louis, Mo. 20-page catalogue, oblong in shape, of Lamps and Lanterns manufactured by this concern. The catalogue is fully illustrated with a large variety of Lanterns and Lamps in all the customary styles, from the ordinary tubular lantern to the large size house and store lamps of the Rochester pattern.

MICHIGAN BARREL Co., Grand Rapids, Mich. 74-page catalogue of the line of Refrigerators that are marketed under the names of Yukon, Economic and Chilkoot. This catalogue is printed on excellent paper, beautifully illustrated and fully describing a complete line of desirable goods, well worthy the attention of the Hardware dealer.

ALASKA REFRIGERATOR Co., Muskegon, Mich. 88-page catalogue, well printed on coated paper, fully illustrated, showing a large variety of Household Sideboard Refrigerators and Ice Chests for grocers, butchers, florists, etc., separate catalogue being issued covering a line of white enameled and tile-lined Refrigerators which they manufacture. The catalogue is complete in all its details, covering a line that embodies the cheapest styles as well as the high-grade artistic product that is now so greatly in vogue with the trade.

P. J. Connoy, Philadelphia, Pa. 24-page catalogue covering the line of Automatic Refrigerator Door Fasteners and Locks, Hinges and Refrigerator Trimmings that have long been manufactured by him, which include the regular Refrigerator Door Fastener of the drop pattern, the automatic Refrigerator Door Fastener, both plain and fancy; Refrigerator Hinges, Faucets, Ice House Levers, and Brass Refrigerator Hinges and Hinge Hasps in a large variety.

STANDARD TOOL Co., Cleveland, Ohio. A very artistic and handsome little booklet, illustrating and describing the goods manufactured by this well-known concern, evidently intended to be distributed through foreign countries, the entire text being printed in Spanish. Each page has a tint block, making the typographical appearance of the booklet exceedingly unique.

WALTER W. WOODRUFF & Sons Co., Mt. Carmel, Conn. Full size Hardware catalogue of the product of this company, forming a pamphlet of 144 pages. These goods are more particularly in the line of Carriage Goods, although a number of regular Hardware specialties are also embodied in the contents of the catalogue.

ANTHONY WAYNE Mrg. Co., Fort Wayne, Ind., and St. Louis, Mo. Pamphlet catalogue, oblong in shape, 32 pages, well printed on coated paper, fully illustrated, showing the large variety of washing machines made by this old-established company. It describes in a complete manner and fully illustrates the several parts of each machine, which are numbered so that ready repairs may be ordered if needed. A very useful catalogue for the dealer.

CRESCENT MFG. Co., Fremont, Ohio. Pamphlet catalogue, oblong in form, 24 pages, embracing a large line of Cutlery and Household Specialties, that would prove attractive to every dealer in Hardware. This includes a large variety of Bread Knives, Ice Picks, Kitchen Knives generally, Ice Chisels and Mincing Knives, Screw Drivers and Kitchen Sets; Pruning Shears in large variety; Grass Shears, and a full line of Buckeye Favorite Shears, Scissors, etc., from the Straight Trimmer to Ladies' Scissors.

A. J. PHILLIPS Co., Fenton, Mich., are distributing an envelope size catalogue for the Spring trade of 1902, covering their line of Screen Doors, Window Screens and other novelties with the manufacture of which they have long been identified. The Doors and Screens are fully illustrated, and all the numerous advantages set forth giving correct ideas of the sizes, dimensions, styles, wood and finish of each particular one. In connection therewith, list prices are given, the catalogue number by which they may be ordered, and also a telegraphic code by the use of which "rush" orders may be economically forwarded to the factory. This part of the methods for ordering has been very carefully attended to. and is extremely complete. This company manufacture a large line of other specialties of wire and wood, including Coat and Suit Hangers, Wardrobe and Closet equipment, Clothes Horses, Kitchen Cabinets, Towel Racks, Boys' Stilts, Snow Shovels, Stable Cleaners, Kitchen Shelves, etc.

STURGES, CORNISH & BURN Co., Chicago, Ill. Envelope size catalogue, embracing in its contents their line of All Steel, Heavily Tinned Milk Cans, which includes their standard pattern of railroad and cheese factory Milk Cans, together with their extensive Dairy line. The line of Milk Cans to which this catalogue is devoted are made from extra heavy steel with wired edge, the neck being drawn from one piece of especially prepared steel. They are provided with malleable, noiseless drop handles, with a seamless stamped steel breast, and a wrought steel bumping band to prevent it being jammed in. Every part is tinned and re-tinned before being put together, and any imperfections in the tinning are immediately corrected before the can is made up. The soldering of the inside seams, it is claimed, is loaded; that is, pure solder is floated into them in large quantities, making them as smooth as glass, and leaving no shoulders, rough spots or crevices where sour milk or dirt can collect. The productions of this progressive company are worthy the attention of every Hardware concern handling such goods, and the catalogue will be forwarded on application, and will be found an interesting one.

CHALLENGE REFRIGERATOR Co., Grand Haven, Mich. Catalogue for 1902 of the "Victor" Hardwood Refrigerator, and also the "Triumph" White Enamel Lined Refrigerator. This is a 40-page pamphlet catalogue, printed on coated paper, fully illustrated throughout. Full descriptions are given of each individual refrigerator, with telegraphic code, weight and the pounds of ice that each refrigerator will contain, together with the dimensions and list prices, making it an extremely useful and handy catalogue from which to order. They also send a separate catalogue of their Challenge Iceberg Refrigerator, which represents a high-grade refrigerator, in the latest style of ornamentation and improvement, which would impress the buyer as being one of the most important lines on the market. The catalogue is one of 56 pages, filled complete with excellent illustrations showing the great variety made under this name, and the style of ornamentation, and full description is given of the many improvements that make this line of goods one worthy of the attention of the Hardware dealer.

NATIONAL NECK YOKE Co., Rock Island, Ill. Catalogue covering the line of specialties manufactured by this concern, consisting of Neck Yoke Centres in large variety, together with Neck Yokes complete, Swivel Yoke Attachments, Carriage Curtain Patch Fasteners, etc.



PERSONAL SERVICE SERVI

Boss Rotary Washer.

Boss Washing Machine Co., Cincinnati, Ohio, are the manufacturers of the Boss Rotary Washer, of which we give two illustrations herewith. This washer has an entirely new rotary movement. In response to a desire of the housefurnishing goods trade in general for a rotary washing machine which should be built with more than a full revolution to the pin-wheel before reversing each time, the



BOSS ROTARY WASHER.-FIG. 1.

manufacturers have in the construction of this machine spared no expense nor time in perfecting a rotary principle that would answer fully the requirements of the market, all



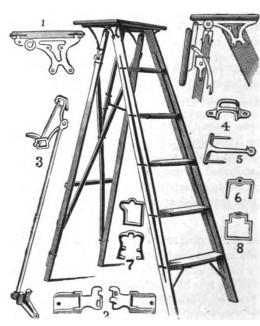
BOSS ROTARY WASHEB.-FIG. 2.

of which can be fully adjudged on investigation of the principle underlying the construction of the Boss Rotary Washer. It is extremely simple in its mechanism. The gearing is composed of only four castings, all of which are

intermeshed, thereby insuring absolutely immediate and concurrent action of all parts when any one part is in motion. One very important feature is in the fact that there is no lost motion, which is the principal cause of breakage in many other styles of rotary washers. Each cog and all of the castings are extra heavy, which together with the simplicity of the mechanism, would entirely overcome all danger of breakage of any parts. The manufacturers desire agents for the sale of this machine in every town, to whom they will furnish a full guarantee, and they desire correspondence with dealers upon the subject of terms, prices and territory, which will be promptly responded to.

Udell's "Excelsior" Step Ladder.

Udell Works, Indianapolis, Ind., among the numerous woodenware specialties that they are manufacturing, are distributing through the Hardware and Housefurnishing Goods trade Udell's Excelsior Step Ladder, illustration of which, and its several parts, we present in this article. It is manufactured from clear white Norway pine, an effort being made by the manufacturers to select all of the stock necessary with a view to having it as perfect as possible before putting it into the ladder. The castings are made of malle-

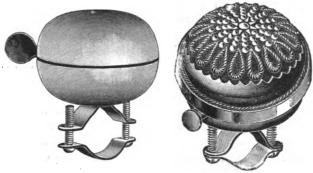


EXCELSIOR STEP LADDER.

able iron and well japanned, the steps being fastened with anchor-shaped iron, as shown in Fig. 5 in the illustration we give. The top steps are eight inches wide, and held firmly by the brackets shown in Fig. 1 in the illustration, the legs being locked in any position by the brace shown in Fig. 3. The manufacturers state that they have always taken a pride in this particular grade of ladder, it being the best possible to turn out and one of their specialties on which the trade has been annually increasing ever since the inauguration of their business. They manufacture a large line of step ladders, embodying various special advantages, and running in price from 9 cents to 30 cents per foot, but for general sales the "Excelsior" has invariably held the market. The average weight of the step ladder referred to herewith is three pounds per foot. It is also made with a folding top. for which a slightly additional price is charged.

Starr Bros', Bells.

Starr Bros. Bell Co., East Hampton, Conn., is one of the oldest firms engaged in this branch of the Hardware industry, and has assisted in making the town of East Hampton well known as headquarters for everything in the line of bells, the business having developed from year to year from the time of their establishment to the present, until it is safe to assume that anything needed in the bell line can be procured within its confines. This firm was established in 1840, and has been in continuous operation ever since. It has originated many of the styles and designs that are the most popular to-day, and in the sale of which they have been industrial pioneers. In the later development, they have been quick to realize the requirements of bicycle riders, and



STARR BICYCLE BELLS

in many instances have anticipated their views and wishes in regard to style, size, make and finish. They were early on the market with a full line of Bicycle Bells, which at once met with the favor of the trade, and have been in constant demand ever since for all possible requirements. We give several illustrations in the course of this article of the styles on which the bulk of the trade has been made during the past few years. This season the company issue a new catalogue and price list showing the great variety of styles, to suit the trade, and meet the requirements of the jobbers

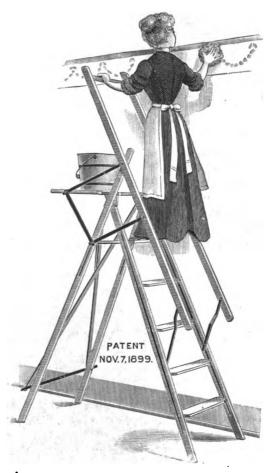


AUTOMOBILE BELL.

throughout the country, from the finest finished rotary electric and centre stroke bells and double chime tandem bells to the high-grade lock-clamp cast gongs suitable for the Automobile, of which they make different styles, and issue a separate catalogue fully illustrating these goods. The finish and grade of these special products of this company give every evidence that the quality of material is the best that can be produced in bell metal, and the guarantee which accompanies the products of this character from a concern that has had so many years' experience, gives a feeling of security to every buyer who will benefit by their new catalogue, which they desire to distribute largely, and which is of sufficient importance to be requested, if not already received. In addition to the above goods they manufacture bells of every description, comprising a complete line of door bells, hand bells, gong bells, cow bells, sheep bells, sleigh bells, etc.

The "Safety" Step Ladder.

The American Juvenile Bed Co., Cincinnati, Ohio, are introducing through the Hardware and housefurnishing goods trades, one of the most useful and novel Step Ladders that has recently been placed on the market. We give an illustration of this improved form of ladder, which seems to promise



SAFETY STEP LADDER.

all its name imports. Having a side rail for protection from accidentally falling off or upsetting, gives it a selling feature that will readily be taken advantage of by the progressive dealer. It is claimed by the manufacturers that by this simple device three feet of additional ladder service is obtained in its use without an increase in cost. It impresses its unique individuality upon all trades like paper hangers and painters, or for factory use, where additional safety is desired and should be provided for. It is constructed from the best grade of lumber suitable for the purpose, the braces and bolts used being of steel, and every care is taken to make them mechanically perfect, knowing how requisite it is to exercise every precaution in putting them together.

The Powers Automatic Chimney Top.

Powers Bros., Streator, Ill., are the manufacturers of the Automatic Chimney Top and Ventilator, of which we give an illustration. There are already before the trade a number of appliances of this character, all of which are claimed to possess the requisite qualifications to ensure successful operation. The Powers is constructed on scientific principles, and is the product of unmistakable invention as to novel construction. All the bearing is on pivot next to cover, where the weight is concentrated. The brace at the bottom of cover to center bolt keeps it in place, and prevents it rubbing on stack. The wind, by its novelty of construction, blows past the sides of cover instead of through it, and thus creates a vacuum, largely increasing its natural draft. The formation and adjustment of cover stops rain, smoke or soot from blowing down the chimney and impeding its successful operation. A wire ring is placed under lug on center post

as a safeguard, preventing cover from blowing off. It is constructed from extra heavy galvanized sheet iron, about No. 20 gauge, and when used on chimneys is made with base fun-



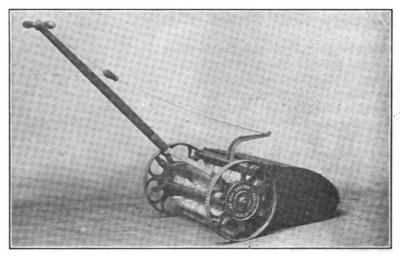
POWERS AUTOMATIC CHIMNEY TOP.

nel shape. They are packed six sets in iron mountings in box, with free pattern for making cover and vane.

"Apollo" Lawn Sweeper.

Greene Mfg. Co., Springfield, Ohio, are the manufacturers of the "Apollo" Lawn Sweeper, illustrations of which we give in the course of this article. This sweeper, which is of

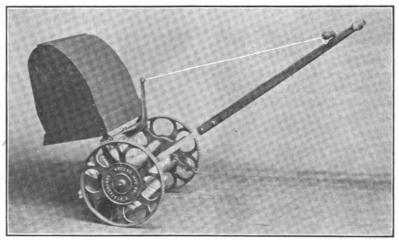
cut and dead grass is removed from the lawn in less time than it takes to mow the same. Its continued use promotes the growth of the turf and has a tendency to make the grass very thick. By removing all the dead grass, the lawn invariably presents a rich green instead of a dull gray or brown color. The lawn sweeper is handsome in design, extremely attractive in appearance, and well built in every particular, wrought or malleable iron being used wherever any strain exists. The brush is made of Tampico, a tough, durable fibre, no metallic wire brush of any kind being used, as experience has shown that such brushes are apt to cut and tear the grass, and rust or break off. A small lever at the right side of the machine allows the brush to be adjusted to any desired height, and as the brush is hung on links in such a manner that it may rest automatically, it will pass over a large stone or obstruction without injury. The drive wheels are 15 inches high, which makes an exceedingly light running machine. All iron work is finished in rust-proof aluminum-bronze enamel. The grass pan is finished in carmine gloss paint, and is attractive in appearance. It is claimed by the manufacturers that it will keep the grass in better condition with half the amount of water than is usually the case, and is certain to keep out "crab grass," dan-



APOLLO LAWN SWEEPER.-FIG. 1.

novel design and construction, should become extremely popular with the trade handling lawn sweepers and similar appliances. It is designed for persons who desire that their lawns shall be well kept without the enormous expenditure of time and labor which is ordinarily necessary to ob-

delions and other pests of this nature, its effect upon the grass being likened to the brush on the human hair, thickening and promoting the growth. It is made in three sizes, with 20, 24 and 28-inch sweep, selling at \$8, \$9 and \$10, respectively.



APOLLO LAWN SWEEPER.-FIG. 2.

tain that result. It will be noticed in Fig. 1 the machine consists partially of a revolving brush, throwing the cut grass, leaves, paper, dirt, etc., forward into a receptacle placed there for the purpose. In its use, every particle of

"Henry, you're such a sleeper, I'm sure you'd like those Arctic nights, six months long."

No; you're mistaken. In three months you'd begin telling me it was time to get up."—Ex.



REVIEW OF THE MARKETS.

Wire Nails: The meeting held in Pittsburgh recently by leading manufacturers of Wire and Wire Nails, and the action taken at the same, has done considerable to strengthen the Wire Nail market, the general withdrawal of the low prices that were obtainable so recently improving the conditions materially, the minimum price of Wire Nails being fixed at \$2 a keg in carloads, f. o. b. Pittsburgh, plus actual freight to destination. The sales of Wire Nails since have been quite large, and a confident demand is perceptible. A meeting is to be held on February 1, under the same auspices, and many dealers apprehend a similar advance, which will gradually bring the market back to satisfactory and steady prices, with the probability of large purchasers being protected by the advance. The jobbing trade are bringing themselves in line under the prevailing movement. The market is represented by the quotation for carloads of \$2 to \$2.05 f. o. b. Pittsburgh, plus actual freight to destination.

New York. The local demand from store is not a very heavy one, demand being nominal. The following represent the market: Small lots from store, \$2.25 to \$2.30. Carloads on dock, \$2.25.

Cut Nails: The Cut Nail market is without special feature, under a moderate demand. No large stocks are accumulating, the demand about absorbing the output. General quotations may be stated as follows, f. o. b. Pittsburgh, plus the actual freight to point of destination. Terms 60 days, or 2 per cent. off in ten days:

Carload lots	 \$2.05
Less than carloads	 2.10

New York. The local demand is but nominal, and quotations remain as previously given.

To jobbers	in carload lots on dockless than carload lots on dock	. \$2.18
Small lots	from store	2.25

Barb Wire: At the meeting held in Pittsburgh last week, former quotations on Barb Wire were reaffirmed, which is claimed to be an actual advance over quotations that were obtainable in some instances at a recent date. But with the present substantial outlook for a large Spring trade, the stiffening of the market is regarded with favor and orders are going forward satisfactorily. Quotations are as follows, f. o. b. Pittsburgh, terms 60 days, or 2 per cent. discount for cash in ten days:

To jobbers i	in carload lots. Painted	\$2.60
- 44	" Galvanized	2.90
46	less than carload lots, Painted	2.65
44	" Galvanized	2.95
To retallers	in carload lots, Painted	2.70
44	" Galvanized	3.00
66	less than carload lots, Painted	2.80
44	" Galvanized.	8.10

Ellwood & Baker Wire is 5 cents, and Washburn & Moen Glidden is 10 cents per 100 pounds higher than the prices above named.

Plais Wire: At the meeting of last week, to which reference has been made, the quotations on Plain Wire were reduced 30 cents per hundred pounds, which about meets the quotations which were the temptation for early orders at a date not very remote. On this new basis the market is regarded as being very favorable for the early development of a big demand, which already commands the present output of the mills to supply. Quotations are as follows, f. o. b. Pittsburgh, terms 60 days, or 2 per cent. off for cash in 10 days:

Dasc 812	C3.
	Galv.
To jobbers in carload lots\$1.95	\$2.35
To jobbers in less than carload lots 2.00	2.40
To retailers in carload lots 2.05	2.45
To retailers in less than carload lots 2.15	2.55

The above prices are for the base numbers, 6 to 9. The other numbers of Plain and Galvanized Wire take the usual advances, as follows:

в	to	9.		E	as	ie								.\$0.40	extra.
10				. \$0.0)5	advance	over	base						40	**
11				1	10	••	**	**						40	44
12	an	d 1	24	1	15	44	**	**						40	44
						**	**	64						40	44
14					35	•••	66	64		ŀ	•			40	64
15				4	15	44	**	**						75	**
16					55	**	44	**						75	**
17				:	ŽÕ.	44	**	44	1		-		-	. 1.00	**
18					35	**	**	**						1.00	44

For even weight bundles, 50 pounds and over, 5 cents per bundle advance on above.

Charles Morrill's Specialties: The following recently revised quotations represent present prices on the line of Saw Sets, Bench Stops, Punches and other Hardware Specialties manufactured by Charles Morrill, 273-277 Broadway, New York. The prices given are subject to a trade discount of 50 per cent.:

							er dozen.
Saw	Sets.	No.	1		 	. .	\$15.00
**	44	**	10, 11	and 95.	 · · · · · ·		15.68
66	44	**	8 and	4	 	. .	20.68
**	44	44					
44	**	**	1 Old	Style	 	. .	10.00
Benc	h Sto	os. I	No. 1		 .		10.00
44		, -	. 2 .		 	. .	12.50
Punc	hes.	No.	1 (A. B	. C	 		15.00
	, .	"	2		 		22.50
66							
Benc'	h Pni	ıch -			 	eacl	30.00
Seal	Press	LPR.	No. 1		 		20.00
~ ;;		,	2		 		22.50
Pear	on C	yclo:				eacl	

Lead Pipe, Sheet Lead, &c. Under date 13th inst. a reduction in the price of Sheet Lead, Lead Pipe, &c., is announced by the manufacturers. Following are the present prices, which are subject to the usual discount to the trade of 20 per cent., 1 per cent. for cash in ten days being allowed and freights equalized with nearest manufacturing point:

	Per pound.
Lead Pipe	 6 ½ c.
Sheet Lead	 7¼c.
Tin Lined Lead Pipe	 12 ½ c.

Cordage: The Rope market remains substantially without change. We continue the quotations named previously, which may be said to represent the market:

	,	Cent
Manila, 7-16 inch and larger		
% inch		18
1/4 inch and 5-16	• • •	14
Sisal, 7-16 inch and larger		
% inch	• • •	10
Lath Yarn, medium and coarse	• • •	
Jute Rope. No. 1		
No. 2		

Linsced Oil: The following quotations are the latest announced by the Dean Linseed Oil Co.:

In lots of less than 5 barrels.....68 cents per gallon. In lots of 5 barrels or more......62 cents per gallon.

The five-barrel price applies only to deliveries of that quantity at one time.

Boiled Linseed Oil, 2 cents per gallon higher than Raw. Calcutta Oil, 85 cents per gallon.

THE PHILADELPHIA TRADE.

The new year seems to be opening with a fair volume of trade, while the market is undeniably firm. On a number of staple lines advances have been made, while wire nails have also scored an advance, and barbed wire has made a still heavier rise in price. The demand for wire nails and wire is enormous, and, from all we can learn, the manufacturers are simply swamped with orders, and it looks as if there would be some difficulty in getting the goods during the coming Spring. Almost all manufacturers report they are working on full time, and are still considerably behind, while the





iron and steel market seems to be showing most unusual strength.

It is a most encouraging sign that the goods being sold are going directly into consumption, while the cold weather is creating a brisk demand for cold weather goods. This, of itself, is an important factor in causing a brisk Spring trade. If the Spring finds the retailer with empty shelves and his Winter goods turned into cash, he has both the desire and the ability to buy goods for Spring and Summer use, and prospects now seem to point in this direction.

We trust that, in closing their books for last year, our customers have had a prosperous year, and hope that 1902 will make a similar record.

Biddle Hardware Co.

THE PITTSBURGH TRADE.

The matter of most interest during the past week has been the nail and wire market. Factories which do not produce their own billets and rods reached a point where they were selling at cost or below. When the trade became convinced that bottom had been reached, orders were placed freely and prices reacted. The future of prices will, of course, depend upon the demand, which would seem to be large this Spring, as building operations are quite general. Travelers find the trade in good shape on their initial trip for 1902; orders are given freely, both for present and future shipment. In general, collections are good, although of course there are always some slow payers who have to be accommodated. The number of failures is noticeably smaller than usual. On the whole we can report trade in a very favorable condition, and the prospects good. LOGAN-GREGG HARDWARE CO.

THE DAVENPORT TRADE.

Business starts off briskly for the new year; this is especially true of staple goods. Already manufacturers are unable to fill orders promptly, and report that they are snowed under with rush specifications on contracts. These conditions, of course, will stimulate trade, and without doubt there will be further advances in the near future.

SICKELS, PRESTON & NUTTING Co.

THE MINNEAPOLIS TRADE.

There is nothing particularly new to write you at this time. Business is not dull in the Hardware line, as a whole. It is certainly not with us, considering the time of the year. We have had no snow to speak of, and with the exception of about ten days well down below zero, weather temperature has run from ten to thirty-five degrees above. Clear, bright, sunshiny days. Out doors work going along as usual, of course not quite as much in the way of building as during Summer weather, still very much more than though we were having cold, stormy weather. Every one seems very well satisfied with last year's results, and pleased at prospects for the future.

The recent action taken to stiffen up the price in nails seems to meet with the general approval of the trade. Now, if the screw manufacturers would take similar action without overdoing it, that would be a good thing to do.

The writer has recently been brought in contact with the general land agent of one of our principal Northwestern roads, and also with another man who is making a specialty of handling Red River valley lands. They tell us that they are working just as hard now in showing lands to land-seekers as during the Summer and Fall. There is no let up whatever, and they can see no possibility of it unless we should have generally hard storms. The last year has been the most successful year in their line that they have ever known, with every indication that the coming year will be way ahead, that farmers from Illinois, Iowa and southern parts of Minnesota are selling their high-priced lands and going up into Northern Minnesota and the Dakotas, where land is selling at lower rates, but at figures that even two years ago would have seemed impossibly high. This means good business to the jobbers of the Twin Cities, also the lumber men, and through general prosperity, business for the retailers, employment for laborers, etc.

The weather conditions have been such that the loggers have been able to do their work to the very best of advantage; in consequence there will be an enormous lot of logs, and with the general hope that there will be somewhat lower lumber prices. There is no question that the extremely high prices in this market have held building back somewhat. Still we hope and never expect that they will ever be as low as the prices prevailing during 1894, '95 and '96. However, it has been a good thing for the lumber men, for many that a few years ago were on the verge of ruin, are now independently wealthy.

W. K. Morison & Co.

THE ST. PAUL TRADE.

With our inventory out of the way, and satisfactory results shown, we start out in the new year with much enthusiasm. We feel that we have before us a year of good business, with no great probability of declines and not much chance for advances. We like a steady market. Our territory has had a good crop, and the farmer feels able to buy liberally. January business, so far, has exceeded last year by a great deal, in fact has been the heaviest January we ever experienced, and we think that the entire Spring months will prove to be equally good. The advance on wire and nails came as a surprise to us. There may or may not be a good reason, but we are in the hands of the Trust, and move as they jerk the string.

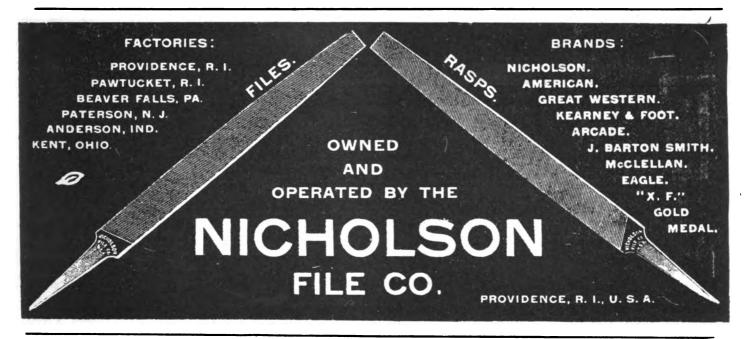
C. W. Hackett Hardware Co.

THE SAN FRANCISCO TRADE.

Although current business is reported exceptionally brisk for January, and the prospect for the approaching season unusually bright, the sagacious dealers of this city are considerate enough to be in line with the rest of humanity hereabout in deepest lamentation because of the long-continuing sunshine and cloudless sky and the lack of rain, which the country is sorely in need of.

This unprecedented January trade was heard commented upon by M. C. Sloss of Miller, Sloss & Scott, wholesalers and jobbers, and by these retailers: Vice-President Sites of Palace Hardware Co., Charles Brown of Charles Brown & Sons, Armstrong & Philpot, and Henry Gracey of Henry Gracey & Co.

Saturday night, the 18th instant, the following members of the trade returned home from a Northern visit to Nevada City: Edwin Jones, manager of the Alexander Hardware Co.; Bennett Bros., M. C. Sloss, Mr. Philpot of Philpot & Armstrong, Max Brown of Charles Brown & Sons, and Mr. Rulofson of Baker & Hamilton. Their trip was of a fraternal nature, to attend the fourth annual meeting of the Pacific Retail Hardware Association, of which they speak as a progressive combination that is hard to beat, both from



a trade promotion standpoint of view and as up-to-date caterers to visiting friends. Max Brown reports that several matters of importance to the trade were discussed, but as an executive committee of the whole, and that it is the sense of the association that they be given no publicity until further consideration be had by the California State Retail Hardware Association, at the State meeting to be held in San Francisco next March.

The Pacific Association elected officers for the current year as follows: J. C. White of Marysville, president; Oscar Schultz of Dixon, vice-president; R. W. Boyd of Marysville, secretary, and Wm. Earle of Colusa, treasurer, the foregoing officials and T. B. Gibson of Woodland and A. F. Bradley of Grass Valley to serve as executive committee. The association adjourned to meet next January, in San Francisco.

INDUSTRIAL PRESS ASSOCIATION.

Side Line Wanted.

GENTLEMAN residing in St. Paul and covering St. Paul, Minneapolis, Duluth and West to the Coast on the Great Northern and Northern Pacific Railroad having personal acquaintance with Wholesale Hardware and Department Store Buyers, would like a good line on commission. Address St. Paul, care Hardware, 275 Broadway, New York.

The Engineering and Mining Journal and Mining and Metallurgy, the latter a semi-monthly publication, have been consolidated. W. J. Johnston is president, F. J. Pratt, treasurer, and Lucius S. Bigelow is superintendent and general manager. Dr. David T. Day is editor-in-chief, Edward W. Parker is managing editor, and Frederick Hobart associate editor.

White, Van Glahn & Co.'s New Catalogue.

White, Van Glahn & Co., 15-16-17 Chatham Square and 49 East 42d Street, New York, have recently issued an extremely attractive trade catalogue and price list of Hardware and tools, forming a volume of 320 pages, neatly bound in red cloth with gilt title on cover. It is fully up to date in every respect. The catalogue is illustrated throughout with excellent engravings, although of reduced size, in order to show an extremely large assortment in this handy volume. It gives an excellent idea of the large variety of goods distributed by this old and reliable firm. Net prices are quoted by the dozen, and also in many instances for single articles. Screws, bolts, etc., where standard list prices are invariably used in connection with the sale, have these special lists incorporated in the contents of the volume, coupled with the statement that discounts will be quoted on application. Many tables of useful information and other interesting matter are given in various parts of the catalogue, and the typographical appearance of the contents indicates the care with which the same has been compiled, the arrangement of the matter being a substantial evidence of the same fact. In the front, pictures are presented showing the old store on Chatham Square, and also the new and handsome branch store on Forty-second Street. A very complete index accompanies the volume, by which, under several headings, facility is greatly increased for ascertaining information. It is an excellent little catalogue for the class of trade catered for.

Russell & Erwin Mfg. Co.

Russell & Erwin Mfg. Co., New Britain, Conn., and 43-47 Chambers Street, New York, have recently issued a thoroughly revised edition of their Price List No. 4, which also includes an Appendix A, which covers the goods that have been added to their several lines between the dates of November 1, 1900, and October 1, 1901. They have also prepared and ready for distribution extra pages for insertion in the 1899 catalogue, which illustrate and describe the various additions above referred to.

New Shells Made By Peters Cartridge Co.

The line of shotgun shells made by The Peters Cartridge Co., of Cincinnati, Ohio, has long enjoyed a popularity. These shells have until recently been loaded exclusively with King's powder, smokeless, semi-smokeless and black. For some time past this company has been experimenting with a view of adapting their smokeless powder shells to the various makes of smokeless powder on the market. It now announces that after exhaustive tests it is ready to supply Peters' Ideal and New Victor shells loaded with either King's, Du Pont, Hazard, E. C. or Schultze smokeless powders. These loads are now on the market, so the sportsman having a liking for Peters shells, but preferring some one of the above named powders, can secure the load he wishes. In addition to adapting these shells to the foregoing powders, all of which are bulk for bulk type, the Peters Co., we understand, are perfecting a high base shell which is nearly ready for the market, and which will be suitable for the various types of dense smokeless powder. It is the aim of this company to complete its line of shotgun shells suitable for all makes of smokeless powders of both bulk and dense type.

Death of Edward L. Hinman.

Edward L. Hinman, president of the Brown, Hinman & Huntington Co., of Columbus, Ohio, died in that city on Tuesday morning, January 7.

STANLEY RULE & LEVEL CO.

new britain, conn., u. s. a.

Improved Carpenters' Tools.

SOLD BY ALL HARDWARE DEALERS.

Bruce & Cook's Annual Greeting.

Bruce & Cook, 186-190 Water Street, New York, are distributing to the trade as usual their well-known calendar, which now represents the twenty-eighth year of calendar service, and commemorates the ninetieth year of the business career of this substantial and reliable firm. As jobbers in tin plates and metals they are known throughout the entire country from Maine to Texas, the name of Bruce & Cook being synonymous with Tin Plates and Metals wherever the English language is spoken, and while no attempt has been made in their calendar service to equal the artistic productions of the day, it is safe to guarantee that their calendar is suspended for its usefulness in the counting rooms and offices of the leading concerns handling metals that are permitted to receive it. On the pictorial part of the calendar is depicted two views of their warehouses and offices, and this, in accordance with their usual program, is preceded and followed by a list of the goods—and a good, long list it is which they carry in stock. This matter, occupying as it does the central column, is flanked on either side by the first and last six months of the year.

Changing From Credit To Cash.

The following reasons are given by *Business* as the basis of a letter that might be sent out by a merchant who has decided to adopt the cash system:

January 1 will see an important change at our store.

This is what the change will be:

On and after that date we shall pay spot cash for everything we buy.

Everybody who buys anything from us will be obliged to pay us spot cash for it.

These words "everybody" and "everything" mean exactly what they say—there will be no exceptions made.

These are the reasons why:

If we sell on credit, we must buy on credit.

If we buy on credit, we must lose the discounts cash buyers

That means that we must sell the goods for a trifle more than we ought to.

If we buy and sell on credit, it calls for a large amount of expensive book-keeping.

That means that we must sell our goods for another trifle more than we ought to.

If we sell on credit, we are sure to lose a certain amount a

year on bad debts.

That means that we must sell our goods for still another

That means that we must sell our goods for still another trifle more than we ought to.

Under a credit system, we can't snap up the special bargain lots that are always on the market.

We can't buy the sacrifice stock of the man who must have money.

We can't buy closely and turn our stock quickly.

We must buy regular lines of regular goods at regular seasons.

All these things will be different now—in our store.

The change for the better will be immediately seen on every counter, every shelf and every price-tag.

We shall carry more goods, fresher goods, better goods, more stylish goods.

We shall have a lot of money, and we shall divide the saving with you—with the lion's share for you.

White Lead Process.

Does the work of three months in five days. It seems that the problem of how to save time in the manufacture of white lead has at last been solved. Upon this problem a vast amount of labor has been spent, and many chemical processes and mechanical devices have evolved out of a long line of experiments only to have the results rejected by the trade as unsatisfactory.

White lead and linseed oil make paint and for this purpose 150,000 tons of white lead is annually consumed. The Lead Trust, or the National Lead Co., which is its corporate name, owning fully 60 per cent. of the American white lead factories, and two or three other companies outside of the trust process." Every new effort to find a substitute for the product of the Dutch process has shown that there is no other way than by corrosion to make a white lead which the painters will accept. But it seems to have been too readily assumed that a thorough corrosion could be effected only by the slow process.

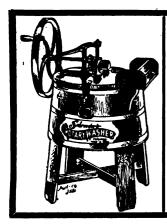
At all events, a new process has been found. It is a process of corrosion. It acts upon the blue lead in precisely the same way as the old Dutch process acts, but it does in five days what by the Dutch process requires from three to four at the present time produce almost the entire supply of white lead and make it according to the old-fashioned "Dutch

White lead is carbonate of lead. That is, it is ordinary blue lead corroded by carbonic acid gas. The blue lead is found sometimes pure, as in the Missouri lead fields, and often in combination with silver and copper. It is smelted into small blocks, which are known as pig lead, and which in that form are the raw material of the white lead factories. By the primitive process which still obtains in the production months.

of almost the entire supply of white lead now being marketed, the pig lead is first melted and is ejected from the melting pot through a tube and spigot at the bottom of the pot about an inch in diameter on to an endless chain, each link of which is a mould having the general appearance of a waffle-iron. In the shape thus assumed by the melted lead, it is called a "buckle," the purpose of giving it this waffle-like shape being to provide as much surface as possible for the carbonic acid gas to attack.

The buckles, laid one by one, in earthern pots, are "stacked" in a room of convenient size and under each pot is a small basin containing acetic acid. The acetic acid basins are surrounded by wet tan bark and the heat thereby generated, acting upon the fumes of the acetic acid, creates the carbonic acid gas which, eating through the blue lead, produces the white corrosion known as white lead. The process of corrosion occupies from 90 to 100 days, and even then the blue lead has not been completely corroded. It is not safe to continue the process much longer than ninety days, however, because after corrosion a deleterious change occurs and that portion of the lead which has first corroded becomes crystallized, and





The Schroeder Rotary Washer

is the simplest, most durable, easiest running and the most noiseless washer on the market. We also make the Brammer Rotary, Triumph, Columbia, Great Western and Adams Washers. Guaranteed to give satisfaction. Ask your jobber for them, or write to

Benbow-Brammer Mfg. Co.,
Factories St. Louis, Mo.
St. Louis, Mo.



all this hard and gritty material must be removed.

It is to be seen, therefore, that while this primitive method of manufacture is thus far the only one that has produced a white lead entirely adapted to the requirements of commerce, there are nevertheless in the method serious drawbacks and defects. Most serious of all is the amount of time consumed Another is the labor and expense involved in separating the crystallized material from that which is simply corroded. The third is the considerable residuum, usually as much as 30 per cent., of blue lead which even at the end of the ninety-day period has been unaffected by the carbonic acid. Each of these defects has been reached and overcome by the new process.

This new process is the invention of J. W. Bailey, a practical mechanic of great experience in white lead manufacture. Its product, as in the case of the old Dutch process, is carbonate of lead. The only difference is that when the carbonic acid treatment is ended, the blue lead is completely corroded, five days only have been consumed and no crystallization whatever has occurred. The pig lead is melted precisely as by the older process. It is driven from the melting pot by the force of its own gravity through a short horizontal nozzle, as in the former case, but instead of running out into the waffle-shaped buckles it is forced through a thin steel plate, in which the horizontal nozzle is made to terminate, the steel plate being perforated with about two hundred minute holes not more than one one-hundredth of an inch in diameter.

There thus fall into the air, cooling immediately, fine metallic fibres which, dropping upon trays each holding about fifty pounds of fibre and permitting free circulation through the entire mass, are passed swiftly through an 8 per cent. solution of acetic acid and then stacked. This entire process is mechanical and automatic, and a great amount of hand labor is saved. The carbon dioxide has to operate upon a minute lead fibre instead of upon a large, thick buckle. Practically, therefore, the exposed lead is all surface. Every particle is reached by the gas immediately and in four or five days it has been entirely corroded. There is no blue lead remaining and the further process or separation by which under the old method the crystallized particles must be removed is unnecessary. Under the most careful microscopical examination nothing is disclosed in the Bailey product except pure white lead and that 2 or 21/2 per cent. of water which is a necessary ingredient of the best white lead product. The economies thus accomplished are enormous. The total cost of manufacture by the Dutch process averages from \$13 to \$18 per ton. of dry product. When it is said that the total cost per tor by the new process averages something less than \$5, the effect of Mr. Bailey's invention is seen to be far reaching. Even at the heavy and fluctuating cost of between \$13 and \$18, however, white lead manufacture has been immensely profitable and the annual market increases in huge proportions.

The owners of the Bailey process have gone into its development with confidence and energy. They have bought a large tract of land in the well-known Missouri lead fields on which several mines of known value have been located. They have made themselves much the largest owners of lead-bearing ores in this famous lead territory. Their property adjoins that of the St. Joe mine, which is one of the heaviest lead producers in the world. In this immediate neighborhood are the mining properties of the Lead Trust and also the areas recently purchased by the Messrs. Guggenheim, whose association with the Smelting Trust has been announced.

With the new process and these extensive mines as a portion of their assets and sustained by large capital, these men have recently organized the Union Lead and Oil Co. It is the purpose to take out their own ores, reduce them on the spot by concentrating plants, four of which, each of 2,000 tons, capacity, are presently to be constructed, and convey the product by railroad to St. Louis. The company's white lead works are to be located in Brooklyn. The operation of capital that by the new process can be turned over four times a month, as against that which, to produce similar results, must be locked up for nearly four months, foretells a revolution in the white lead business.

Selling Prices.

One of our salesmen who has excellent opportunities for observation and who uses them to advantage, tells us that when he offers an article at \$5 per dozen, he finds difficulty in selling it. Retailers say "we must sell this at 50c. each and there is not enough margin for profit at a cost of 42c." The same is true of an article for which we ask 50c. per dozen, which they want to sell at 5c. each, or \$1 per dozen, which they want to sell at 10c. each.

Now we recognize the convenience of the 5c., 10c., 25c. and 50c. price, but because it is convenient is not a good reason for sacrificing a profit which you can as well make as not. We base our prices on lowest factory cost and when we add a jobber's profit, cannot always gauge prices so as to make the retailer his usual profit if the article is sold at round figures.

Would it not be better for the retailer to break away from these figures and ask odd prices? When you find 5c. gives too small a profit on the cost of an article, ask 7c. for it, or 12c. when 10c. does not pay what it ought. In this way you will add a few cents on each sale which will amount to quite a difference in your favor at the end of the year.

This is the modern plan of retailing in the large department stores, and people in cities have gotten used to these odd prices. You can introduce it just as well into your store.

We know of one concern in Western Pennsylvania whose policy it is to add a fixed percentage to cost in order to determine the selling price of each article and although this results in many odd prices, they have found the plan very successful. While it may not always be best to do this, it is certainly worth while to try to get an adequate profit on all goods sold, even if it is necessary to break away from some tradition in so doing.—Hardware Hints.



Blacksmiths, Ancient and Modern.

Blacksmiths love their work; they are proud of their craft. They are men of iron and fire. Theirs is a fascinating pursuit. It is not given to many craftsmen to feel their work grow and develop under their hands, but the blacksmith, pitting his strength, skill, experience and resourceful mind against the king of metals, feels all of the joy and buoyant pleasure which comes to them who take crude shapes and materials and make them into useful forms and into finished products, writes Malcolm McDowell in the Chicago Record-Herald. It seems a simple, easy thing to do: only to strike a piece of heated iron with a hammer, but every generation finds regiments of men who try the trick and fail. A good blacksmith has the good born in him. It is not every man who can master the art, who understands the vagaries and whims of iron and steel, who can draw a mental picture of the thing he wants to make out of iron and then make it, who can shape and form iron almost instinctively. There is no particular trick in welding two pieces of iron together. Yet chainmakers will tell you that comparatively few men can always make a perfect weld. It seems an easy task to bend a piece of iron if you have the necessary tools, but ironmasters will tell you that when the iron is two inches or more in diameter and the pieces must be bent around another piece which is in place in some machine it takes a "born" blacksmith to accomplish the task.

The old-time blacksmiths, the men who could do anything with iron and steel; the men who could shoe a horse, put on a wagon wheel tire, weld new links in an ox chain, make an ax, point harrow teeth, make a new pitman rod for a threshing engine, forge a cross head for an engine and weld an iron ring around a cracked cylinder, are passing away. The steam hammer, the drop forge, the hydraulic press, steel castings and automatic machinery are taking the places of the blacksmiths whose feats were sung by poets and whose forges were pictured on the canvases of famous artists.

The all-round blacksmith is found now in the country. In large centres of population blacksmiths, in common with other craftsmen, are taking to specialties. A morning's stroll disclosed five blacksmith's shops in which steam hammers are installed. A few years ago these very shops were alive with the merry music of ringing sledge hammers; today the chug-chug of the hissing steam hammer or the rat-tatat of the cushioned power hammer are heard there. there are as many or more blacksmiths to-day as there were ten years ago. All horseshoers are blacksmiths, but all blacksmiths are not horseshoers. There are thousands of knights of the leather apron who can no more shoe a horse than they can crochet a tidy. The horseshoers are an ancient craft, and they are a clannish lot. They preserve the traditions which have come down from the first days of the farrier's trade. The modern horseshoer is a scientific fellow; he knows the anatomy of a horse's leg and prides himself on being able to correct the evils which befall the "feet" of city horses by the "iron" treatment. He begins to learn his trade by sweeping out the shop, switching off flies, carrying beer and running errands. When he is called upon to take a light hammer and "strike," the errand boy swells his chest and begins counting the days when he will be a floorman, then a fireman, and eventually a boss.

The Romans were the first horseshoers. They tied flat thin iron plates to their horses' hoofs with thongs and strings. Then they bent the iron plate around the edge, so as to make a rim, and they fastened the shoe by sinking iron hooks into the outside of the hoof, and the next step in the development of the horseshoe was the nail, driven into the hoof. The Germans were the first to make a horseshoe with a crease in it. This was in the fifteenth century, or more than 300 years after the Romans began tying iron plates to horses' hoofs.

The Germans followed the crease with calks, and for several centuries their clumsy shoes were not improved upon.

Before the Burdens of Troy, N. Y., began making horse-shoes by machinery years ago all shoes were made by hand. The horseshoe nails were forged by hand from long slim bars of Norway iron. The horseshoers for years fought machinemade shoes, not because they interfered particularly with their profits, but because a genuine horseshoer must do something to a shoe himself. He looked with disgust upon machine-made shoes, but gradually such shoes became common, and now every shop has its kegs of machine-made horseshoe blanks.

Mica in North Carolina.

North Carolina is the only Southern State which has succeeded in developing any considerable deposits of mica.

In North Carolina mica mining has made some progress during the year, although it has been handicapped by low prices for the product, due to the large importations of foreign mica, says J. A. Holmes in Mineral Resources of the United States. The principal work has been done in the mountain counties, mainly Mitchell, Yancey, Haywood, Jackson and Moscow, where a number of the older mines were reopened and a few new mines were developed. East of the Blue Ridge mountains, in McDowell County, a mine (the Cochran) has been developed about eight miles north of Marion, and some good plate mica has been opened up and worked on a small scale during the year in Stokes County, near Sandy Ridge, and a limited amount of similar development work was carried on in Cleveland and Rutherford Counties.

West of the Blue Ridge, in Ashe County, the Carolina Mica Co. has developed a mine on Beaver Creek, near Jefferson, employing twenty men during the last three months of the year. This company has also erected near by a mill for grinding the scrap mica. In Mitchell and Yancey Counties nearly all of the older and well-known mines, such as the Deake, Spread Eagle, Cloudland, Double Head, Hawkins, Clarissa, and others, have been worked at intervals during the year, though some of them on a small scale. Nearly all of this work was done by parties whose available capital was so small that they were unable to purchase modern pumps and other equipment needed in working these deeper mines—one shaft in the Clarissa, for example, having been sunk at a depth of more than 300 feet.

In Haywood County the Big Ridge mica mine, seven miles from Waynesville, was worked on a considerable scale throughout the entire year, and was probably the largest producer of the region. The Shiny mine, eight miles from Waynesville, was worked for about five months of the year, and yielded considerable quantities of both sheet and scrap ·mica. In Jackson County a number of mines have been actively worked during longer or shorter periods. The Toxaway Co. has developed several mica deposits on its land near Sapphire, taking out considerable quantity of crude sheet mica. Several additional deposits have been developed with similar result on the adjoining Grimshawe lands. In other portions of the county the Frady and East Fork mines were operated successfully during half of the year, and the Long and Ferguson and other deposits were worked during shorter periods. In Macon County mining has been less active than during the recent past, the work at Lyle, Knob and Raby mines extending over not exceeding half of the year, and that at other deposits being rather developmental and irregular.

Perhaps the three most notable features connected with the mica industry in the United States during the year 1900 were the increasingly large use of American mica in electrical machinery, notwithstanding the continued large importation of foreign mica, the somewhat abnormal development of the ground mica industry, and the plans for the establishment in the United States of a plant for the use of the scrap mica in the manufacture of a new boiler-tube covering.

Sewing Machine Trade.

Under date of October 26, 1901, Deputy Consul-General Hanauer, of Frankfort, says:

The following figures gives the value of sewing machines imported and exported by the leading industrial countries in 1900:

Country. Germany	marks	Exports. 20,300,000	Imports. 8,200,000
France	dollars francs dollars	4,831,400	1,951,600 12,600,000 2,431,800
Great Britain	pounds dollars	1,452,000 7,066,158	280,000 1,562,620
Austria-Hungary (including knit- ting machines)	crowns		3,400,000
Switzerland	doll ars fr a ncs do llars	300,000 57,900	690,200 2,100,000 405,300
United States	dollars	4.500,000	

A German paper, in commenting on the above statistical showing, notes the complaints of German manufacturers of the sharp competition from the United States.

Mr. Thomasson's Lesson.

"Yes," said Mr. Thomasson, "I went home intoxicated one night about ten years ago and the lesson my wife taught me made a lasting impression on my brain."

"What did she say?"

"She didn't say anything. The lasting impression I refer to was made by a flatiron. See that hump?"—Indianapolis Sun.

Walking Backward.

Johnny—On the stage when a man leaves a king's presence, he always goes out backward. Why is that, pa?

Learned Pa—It is because his trousers are not in a proper repair behind or because he is afraid the king may be handy with his boot.—Boston Transcript.

Derivation of Mare's Nest.

The origin of the expression "to find a mare's nest" has been traced to the days of the early Saxons. What we call a nightmare was by our forefathers supposed to be the Saxon demon Mara or Mare, a kind of vampire, which caused the incubus by sitting on the sleeper's chest. The Mare vampires were said to be the guardians of hidden treasures, over which they were supposed to brood as hens do over their eggs, and the place where they sat was termed their noidus or nest. Hence, when any one announced that he had made an extraordinary discovery, some one accused him of finding a Mare's nest, or the place where the vampires kept guard over her hypothetical treasures.—St. Louis Republic.

First Steel Bridge in the Klondike.

The first steel bridge in the region of the middle Yukon was opened for traffic a few weeks ago. It spans the Klondike River, nearly opposite the mouth of Bonanza Creek, or about a mile and a half above its junction with the Yukon at Dawson. The main span is 154 feet long, and rests on steel caissons filled with concrete and strengthened with crib and rockwork. The total cost of the bridge in position was \$30,000. It was built by the Dominion Bridge Co., of Montreal. According to press accounts, it was tested by a large body of Northwest mounted police marching over it in step, which, if true, would seem like crude engineering.

Better Than Borrowing Money.

"Just before Badmun was sent to prison he bought a set of books, to be paid for in instalments."

"What did he do that for?"

"He said it would make the time seem shorter."—Chicago Tribune.





CHEAPEST and BEST DOOR STOP on the market. It holds the heaviest as well as the lightest door, can be also used as a bumper and as a Protector against Burglars.

We are also sole agents for the
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The most convenient and substantial tools on the market for finishing tile ditches. Adapted to all sizes of drain tile. Made in two styles, Adjustable and Stationary, and six sizes, from 3 to 8 inches.



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When ordering Drain Cleaners from your jobber insist on getting "IWANS" if you want the best.

For illustrated circulars of our Post Hole Augers and Diggers, Hay Knives, Revolving Chimney Tops, Conductor Pipe Hangers, etc., Address

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Will pay for itself in a single day. Where Steel Giant Grubbers are kept and shown a large trade is soon established. They are a necessity to almost everybody owning land. Moderate price. Large margin of profit to the dealer.

Sample orders solicited and promptly filled.

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are dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

Incorporations, New Stores, etc.

Adrian, Mich.-Charles Holloway and George Platt will start a Hardware store and tinshop, corner of Tecumseh and Erie Streets.

Birmingham, Ala.—Articles of incorporabeen filed in the clerk's office of the probate court by T. S. Morton, president; A. S. Morton, vice-president, and J. B. Morton, secretary and treasurer. The capital stock of the company is \$5,000.

Claremore, Ind. Ter.-The Hill-Henley Hardware Co.; capitalization, \$6,000. Directors: G. W. Hill, Davis Hill, Robert L. Hill and E. N. Henley, all of Vinita, I. T.

Mazon, Ill.—Stevens & Smith.

Deer Creek, Okla.-C. F. Eberle & Co., to buy and sell Hardware, lumber, coal and implements; capital stock, \$20,000. The incorporators are: C. F. Eberle and J. S. Dester, of Deer Creek, and J. S. Eymann, of Halstead, Kans.

Hanover, Pa.—The State dapartment has granted a charter to the J. C. Tanger Co.; capital, \$1,000. The firm will engage in the wholesale and retail Hardware business and will occupy a building on Broadway near York Street.

Las Animas, Colo.—Branson Hardware Co. has been incorporated with a capital of \$12,000; W. G. Branson, A. L. Branson, C. McVay, incorporators.

St. John, Kans.—B. E. Osborn.

Wheaton, Kans.—The Wilson & Kufahl Hardware Co. has been incorporated; capital, \$15,000.

Zanesville, O.—The Young Hardware Co. has been incorporated with a capital of \$50,-000. The incorporators are: W. B. Cosgrave, Martin Young, Granville Yarnell, George S. Young and Peter G. Black. The concern will conduct a wholesale Hardware business in the Cosgrave building, on North Third Street.

Changes and Improvements.

Butte, Mont.-J. R. Hedley has bought a half interest in the Hardware business of H. J. Blume and has assumed management of the business.

Columbus Grove, O.-Elias Williams has purchased a half interest in the Hauck & Morris Hardware store.

Dadeville, Ala.-C. C. Collier, for many years with the May & Thomas Hardware Co., has purchased an interest in the Hardware firm of Stone & Johnson and the business will continue under the name of the Dadeville Hardware Co., with largely increased capital and facilities.

Decatur, Ind.—The firm of Schafer, Son & Loch has been dissolved and the firm of the Schafer Hardware Co. succeeds it. is now owned entirely by Fred Schafer and his son, C. C. Schafer.

Dubuque, Ia.-Capt. G. W. Healey, the Hardware dealer at 378 Main Street, has added his son, Ed. M. Healey, to the firm, which will hereafter be known as G. W. Healey & Son.

Fisher, Minn.-The firm of Larson Bros., Hardware merchants, has dissolved and tion for the Morton Hardware Co. have hereafter the business will be conducted by Ole Larson & Son. Mr. Lewis Larson has retired from the business.

> Franklin, Pa.-Frazier & Smith, the Hardware firm which was one of the heaviest losers in the recent fire in the Printz block, have decided to retire from business.

> Greensboro, N. C.-The Crutchfield Hardware Co. has had its name changed and some additional powers given to its officers. The Secretary of State has granted its application to be known as the Southside Hardware Co. C. P. Frazier is president and E. P. Parker secretary.

Greenville, Mich .-- J. H. Temmink & Bro., of Detroit, have purchased the stock of the old established Hardware house ot him. L. Wells Sprague. Mr. Sprague will remain with the new firm for a time.

Hartford, Conn.—The old firm of Tracy & Robinson, which has for many years carried on a wholesale and retail Hardware business at 78 and 80 Asylum Street, will be known in the future as Tracy, Robinson & Williams.

Independence, Ia.-The Hardware store of R. F. Stewart has been sold to Irving Tabor, who is now in possession of the Avenue to Lewis H. Warner.

Johnstown, Pa.-Harry Swank has retired from the Swank Hardware Co., having sold his interest to the other members of the firm for \$60,000.

Kokomo, Ind.-David and Edward Showalter have purchased the Mote & Co. Hardware store and are already in full possession.

Lacona, N. Y.-H. P. Taylor has bought J. P. Ford's interest in the Hardware block occupied by Ford & Taylor.

Lebanon, Ind.—J. W. Shelby has purchased the Hardware interest of Douglas Goodwin, of the firm of Price & Goodwin in Castle Hall building.

Lee, Mass.-A. C. Sparks, the Hardware dealer, expects to close out his stock and move his business to other quarters in

Lynnville, Tenn.-Terry Dickerson having bought a half interest in Paulk & Son's Hardware store, the firm continues in the name of Paulk, Dickerson & Co.

Naomi, O.-Frank Bartlett has purchased the stock of Hardware of J. H. Miller and will continue the business at the old stand.

Opelika, Ala.—A. B. Ware & Co. have Heretofore the firm has been composed of sold out their Hardware business to Fred Schafer, C. C. Schafer and Noah Brownfield Bros. Ware & Co. will engage Loss \$200.

Loch, but Mr. Loch retires and the business in the wholesale Hardware business exclusively, having rented the large depot of the East Alabama Railway. L. F. Dickson, who carries one of the largest stocks of Hardware and crockery in the State, and who has been in business here over twenty years, has sold out to P. H. Allen, F. L. Yarbrough and Julien Phillips.

> Payne, O.-John L. Sullivan has purchased the Hardware store of A. W. Batson & Son.

> Philadelphia, N. Y .-- A. W. Danforth has sold his Hardware store to Burt and Fred Taylor.

> Philadelphia, Pa.-Charles M. Biddle and Robert Biddle, 2d, have been admitted to an interest in the business of the Biddle Hardware Co.

> Philadelphia, Pa.-H. Vance Peters, Edmund L. Wunder and Richard R. Conarroe have been admitted to partnership in the Hardware firm of James M. Vance & Co., 211 and 213 Market Street.

> Sauk Center, Minn.-B. W. How, of How Bros. & Co., withdraws from that Hardware firm. Ingram and Rowe succeed

> Stanberry, Mo.-Clark Allen has purchased an interest in the Hardware store of S. J. Dice.

> Walden, N. Y .- David Decker and Cyrus B. Fowler have purchased the Fowler Hardware Co. stock in the store on Main Street. The new firm is known as Fowler & Decker.

West Haven, Conn.-Furman A. Norton has sold his Hardware store on Campbell

Woodsfield, O.-The mammoth Hardware store of Moffett & Mooney has been purchased by Koontz & Dougherty, of Antioch, and the new firm took charge the first of the year.

Recent Fires.

Baldwinsville, N. Y .-- J. F. Voorhees. Beaver City, Neb.-Moore & Ellis. Loss. 3,500; insurance, \$2,500.

Greenville, Tenn.-Weatherbee Hardware Co.

Montreal, Canada.-Magnan Freres, 306 St. Lawrence Street. Loss, \$1,000; insured. Roulette, Pa.—Eimer's Hardware store.

Burglaries.

Adrian, Mich.-Clauda & Meyer. Revolvers, etc.

El Reno, O. T.-Kimmel Hardware Co. Knives, etc.

Maiden Rock, Wis.-L. D. Trumbull. Razors, etc.

Milwaukee, Wis.-L. Lowe. Loss \$41.50. Newport, Ky.-E. C. Wendt. Revolvers. Sandusky, O.-Louis J. Taubert. Revolvers.

Tallapoosa, Ga.-G. W. Barton & Sons.

Victor, Colo.—Tompkins Hardware store.



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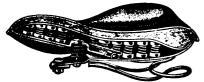
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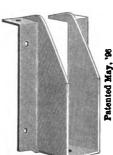
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CHANDLER & BARBER, F. B. HAWKINS CC., PALACE HARDWARE 00., New England Agents, Boston, Mass.

New York Agents. New York, N. Y.

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Are made exclusively from highest grade crucible steel manufactured expressly for our requirements.



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Willoughby, Ohio.





Hardware manufacturers over the country, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc., will be gladly received, and promptly published.

New Incorporations, Etc.

Baltimore, Md.—The H. M. Justice Co., for manufacturing and dealing in cutlery and silver plated ware, has been incorporated by Herbert M. Justice, Joseph M. Smith, John H. Kreh, George N. Lochner and Charles C. Stieff. The capital stock is \$5,000.

Braintree, Mass.—Stevens & Willis Co., tacks, nails, etc., has been incorporated. Capital \$45,000. Promoters, James T. Stevens, president; George D. Willis, treas-urer; George W. Stevens, Susan Ella Willis.

Camden, N. J.—The U. S. Screw-Nail & Machine Co., capital \$100,000, has been chartered in Camden. It is a Reading corporation and proposes manufacturing a screw-nail. The latter is formed of wire and has a number of spring grooves rolled into it. The nail when driven into wood will rotate and form threads in the wood, thus securing superior holding power. The company intends to manufacture this nail in all sizes.

has been incorporated with capital stock of \$50,000 by J. W. Hastings, F. B. Everett, J. C. Campbell, S. E. Jones and G. A. Welling.

Chicago, Ill.—Illinois Safe and Lock Co. has been incorporated; capital, \$50,000; manufacturing safes and locks. Incorporators, C. V. Peckham, L. S. McMillan, J. H. Dodson.

Hamburg, N. Y.—The Hamburg Planter Co. has been incorporated and will make planting machines and other farm implements. The incorporators are all Hamburg men.

Jersey City, N. J.—National Nut Co. has been incorporated. Principal office, Corporation Trust Co., 15 Exchange Place. Lloyd and Mr. Donehoo, James F. Rich-Objects, manufacture of metallic com- ards, Charles E. Wolfendale, of Allegheny, pounds, etc.; capital, \$50,000. Incorpor- and Stephen Neuburn, of Bellevue, were and K. K. McLaren.

New York, N. Y.—The Torsion Balfacture scales. Capital \$5,000, and directors: Albert Fries, H. H. Fries and William Fries, of New York city.

Portland, Me.—The J. G. F. Clothes Pin Co. has been organized for the purpose of \$250,000 capital stock. The officers are: President, Lemuel W. Peters, of Boston, Portland.

Rochester, N. Y.—The American Tool and Motor Co. has been incorporated: cap-

Changes and Improvements.

and Foundry Co. will move its plant into facture of agate ware.

Birmingham on the property recently purchased near the corner of Ninth Avenue

incorporated. Capital, \$10,000; manufacturing stoves and ranges; Oscar Millsap, Claus Krabel, W. D. Elmer.

has been incorporated; capital stock, \$100,-000. Incorporators: Nathan L. Clement. Arthur A. Clement and Robert J. Kerr.

Crawfordsville, Ind.—The wire mill of the Crawfordsville Wire and Nail Co., recently burned, will be rebuilt by J. M. Bishop, he having been awarded the contract. He will begin work at once and expects to complete the contract by April. The new plant will be built with the view of making it safer from the danger of fire.

Fulton, N. Y.—The knife works of Tooley & Marvin is being dismantled ready for been made large enough to double the present working capacity.

Mansfield, O.—The Monarch Stove Co., of this city, has been purchased by the Columbus, O.—The Columbus Stove Co. American Stove Co., which is a combination of almost all the Vapor stove companies in this country.

> Rock Island. Ill.-Directors of the Rock Island Plow Co. met recently and voted to double the capital stock of the corporation.

> Newark, N. J.—Frederick C. J. and Louis T. Wiss, of J. Wiss & Sons Co., manufacturers of shears, scissors and cut. lery, have secured the Commercial building, recently erected in Broad Street.

Pittsburg, Pa.—The stockholders of the Lloyd Mfg. Co. met recently and increased their capital stock to \$75,000, and elected Charles H. Lloyd president and John C. Donehoo, secretary and treasurer. Mr. ators, Geo. D. Dutton, Frank W. Dutton made directors. The company was chartered a few weeks ago and is authorized to manufacture anything desired out of iron, ance Co. has been incorporated to manu- steel or wood, but its specialty will be a coal-digging machine.

Reading, Pa.—At the office of the Reading Stove Works it was decided to make quite a number of extensive improvements to the plant in this city. An addition is manufacturing patent clothes pins, with to be built and the present plant more thoroughly equipped than ever.

Wichita, Kan.-The Moore Bros. Foun-Mass.; treasurer, Benjamin G. Ward, of dry and Stove Works will build an addition to the foundry and warehouse that will fully double the capacity.

Woodhaven, N. Y.-The Lalance and ital, \$10,000. Directors: D. F. Coakley, E. Grosjean Mfg. Co. have contracted for the G. Wulff and B. C. Wheeler, of Rochester. purchase of ten acres of land between Hempstead and Garden City, where they Birmingham, Ala.—The Avondale Stove will erect a branch factory for the manu-

Embarrassments.

Baltimore, Md.-Application is being and Eighteenth Street. New machinery made for the appointment of a receiver for will be put in and the force of employes in- the Chesapeake Stove Co., which has been in business many years. The inventory of Chicago, Ill.—Faultless Mfg. Co. has been May 31st last showed liabilities \$35,000 and assets \$102,000.

Philadelphia, Pa.-John W. McFadden, trading as Mechanics' Tool Co., and late Chicago, Ill.—American Wire Fence Co. trading as McFadden Co., of this city, has been adjudged an involuntary bankrupt.

> Washington, D. C .-- J. Holt Livingstone, manager of the Keyless Lock Co., has filed a petition in voluntary bankruptcy. bill states that his liabilities amount to \$4-873.07. The list of assets foots up \$11,177.

> Cincinnati, O.-Suit has been filed in the Superior Court for a receiver for the Cincinnati Safe & Lock Co., of Second and Elm Streets.

New York, N. Y .-- Judge Adams, of the United States District Court, has appointed Edward S. Thomas temporary receiver of removal to the new factory recently built the assets of John F. Jackson, doing busiin Baldwinsville. The new building has ness as Jackson & Co., manufacturers of butchers' fixtures and refrigerators, at 626 Tenth Avenue.

Recent Fires.

Albany, N. Y.-Fire has destroyed the three upper stories of the moulding foundry of the Rathbone, Sard & Co. stove foundry, on Learned Street, doing damage that will amount to about \$10,000. Fully insured.

Meriden, Conn.—Fire in the japanning room of the Charles Parker Co., manufacturers of Hardware and lamps, caused damages of \$500. The loss is fully covered by insurance.

New Haven, Conn.—Barnes Tool Co., Atwater Block. Loss, \$3,000. Insured.

Miscellaneous.

Monmouth, Ill.-At a meeting of the stockholders of the new plow company in Hallam & Hallam's office, W. W. McCullough presided and S. S. Hallam served as secretary. A temporary board of directors embracing the following gentlemen was chosen: Fred E. Harding, R. Lahann, Inc. S. Brown, T. H. Spicer, W. T. M. Brunnemer, John D. Lynch and James French. They are all men of business discernment and ability, and will make a strong board. About \$60,000 of stock has been taken and it is thought the full amount will soon be subscribed.







You don't have to hunt for centre in shaft and then for your watch while balancing on a ladder.



Elizabeth, N. J.

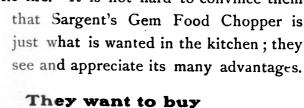
SOMETHING NEW

"STANDARD" BALL-BEARING PHILADELPHIA CASTERS. Samples and Catalogue free.

Standard Caster & Wheel Co., 312-326 East 23d St., New York



Women are interested in anything that adds to the convenience of domestic life. It is not hard to convince them



it from you

and you want to sell it to them because of the profit there is in it and because it pleases them.

> You know how good an advertisement a pleased customer is.

SARGENT & CO., Manufacturers,

New Haven, Conn., New Philadelphia, Boston. New York,

WALK CLEANING TOOLS.



Best Tools Made For Clearing Snow and Ice.

Walk and Street Scrapers.

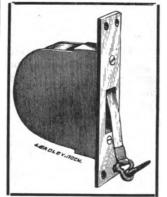


MADE ONLY BY

IOWA **FARMING**

FORT MADISON, IOWA.

JUST A LITTLE HIGHER



In price, but so much

HIGHER IN QUALITY

that the great majority of dealers prefer to sell

CALDWELL. SASH BALANCES

They can recommend them with clear conscience. Write for catalog.

Caldwell Mfg.

4 JONES ST., ROCHESTER, N. Y.



Send for DESCRIPTIVE CIRCULAR and PRICE LIST.

BICYCLE AND SPORTING GOODS RECORD

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, imnents, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Hartford, Conn.-A certificate of incorporation of Gillette Bros., incorporated, has been filed in the town clerk's office. The subscribers are: C. Howard Gillette, of Orange; N. N. and Harry C. Gillette and Norman Gillette, of Hartford. The capital stock is \$10,000. The firm will manufacture, buy and sell bicycles, automobiles, motor cycles and all kinds of sporting goods, and are located at the corner of Pearl and Haynes Streets.

Milwaukee, Wis.-The Merkel Mfg. Co. has been incorporated to manufacture motor cycles, gas engines and iron and steel specialties. Its capital stock is \$32,000. The incorporators are: J. F. Merkel, O. C. Uehling and Theodore Ionas.

Phœnix, N. Y.—The Industrial Machine Co., with a cash capital stock of \$25,000, has leased the two-story wing and offices of the knife factory building for a term of years, and will commence the manufacture the name of John B. MacHarg in the manof bicycle brakes, motor cycles, automobiles and other Hardware specialties.

Port Gibson, N. Y.-Frank Blossom, Atwater and Canada Streets, new store.

Changes and Improvements.

Allentown, Pa.-Mayor Schaadt has sold the Goldbert bicycle works at 622 Linden street to M. A. Goldberg and James Arance, who will continue the business under the name of Goldberg & Arance.

Berlin, Wis.-E. C. & J. B. Diebler succeed the J. B. Diebler Cycle Works.

Green Bay, Wis.-F. C. Clabots, Adams Street, is building an addition to be used as a repair shop.

Ithaca, N. Y.-Treman, King & Co. have enlarged their business by making an addition of the bicycle and sporting goods business recently purchased from Nathan Hanford. The sale was made some time ago, but did not take effect until recently. During the present month the bicycle business will continue to be conducted in the former to the value of over \$400.

Hanford store. On the first of February it will be moved into the east section of the Treman-King store, which is now occupied lins, loss about \$300; insured. by the housefurnishing department. This department will be moved to the second floor. It is the intention of the company to greatly increase the bicycle and sporting goods stock and to make this branch one of the features of their business.

Middletown, Conn.—The plant of the Keating Bicycle and Motor Vehicle Co. has passed into the hands of the Eisenhut Horseless Vehicle Co. of New York City. The price paid was \$210,000. Of this \$80,000 was paid at once, and 5 per cent. bonds were issued for the remainder. They are held by the North German Trust Co. of New York City.

Mineola, N. Y .- John S. Patrick has bought out James Birch.

New Haven, Conn.-A. C. Benham has

Rochester, N. Y.—The American Flyer Bicycle Co., 85 and 87 East Main Street, has closed its doors.

Rome, N. Y.—The business which for a number of years has been conducted under ufacture of fishing tackle has been changed, the style of the firm now being John B. MacHarg & Co.

San Leandro, Cal.—Roberts & King succeed M. C. King, Andrew Roberts having purchased an interest.

South Norwalk, Conn.—The partnership between Everett S. Bulkley and Edgar H. Fox, doing business under the firm name of Fox Cycle & Hardware Co., was dissolved on the first of January, Everett S. Bulkley continuing the business under the old firm name.

Burglaries.

Rogersville, Tenn.—George D. Hale. Loss, \$35.

St. Louis, Mo.—Burglars chiseled a hole through a wall separating a vacant building at 812 North Broadway from the sporting goods house of C. & W. McClean, 814-816 North Broadway, and stole revolvers

Recent Fires.

Great Barrington, Mass.-Minkler & Col-

Embarrassments.

Binghamton, N. Y .- An involuntary petition in bankruptcy has been filed at Utica before Judge Coxe against the Sheldon Mfg. Co. of this city. The nominal assets are \$48,000; liabilities, \$35,000. The company manufactures sporting goods. of the creditors are in New York City.

Crawfordsville, Ind.—Upon a petition filed by local men, holding notes for \$5,000, Gould, Oliver & Martin have made an involuntary assignment. The firm claims its assets to be \$14,000, with liabilities of \$18,-

Gloucester, Mass.—Chas. J. Gray, dealer in Hardware and sporting goods, has gone into bankruptcy. He has been in business since 1876.

Harrisburg, Pa.-The Hardware, bicycle and harness firm of Keller & Mumma, 136-142 North Front Street, have gone into voluntary bankruptcy. The firm's liabilities are stated at \$29,000 and the assets at

Knoxville, Tenn.-Adams Bros., the Hardware dealers on Depot Avenue, have filed bankruptcy proceedings in the federal court. The assets are larger than the liabilities and it is thought that the affairs of the company will soon be fixed up to the satisfaction of all the creditors. The assets are represented to be \$4,700, while the liabilities are put at \$3,788.91.

New York, N. Y.—The Nason-Ryder Co., 25 West 42d Street. William C. Arnold has been appointed temporary receiver on the application of Edward B. Ryder and W. L. Savage, directors.

Trenton, N. J.—A petition in bankruptcy has been filed in the United States bankruptcy court by James Hughes, Susan Hughes and James L. Hughes, members of the James Hughes Co., a Hardware concern, at 116 South Warren Street. The petition states that the company is unable to pay its debts in full. The total debts amount to \$10,388.01, and the total assets to \$400 in household goods.

The first Bessemer steel rails made in this country were rolled at the Chicago mills in 1865.

The first open-hearth furnace introduced for the manufacture of steel by the Siemens-Martin process, was built in 1868 at Trenton, New Jersey.

In 1884, the first bar steel made in the United States was produced experimentally at Steelton, Pa. It was made in a Bessemer converter.

The manufacture of basic steel as a commercial product dates from 1888. It was produced at the Homestead Steel Works, Pa., by the Carnegie-Phipps Co.

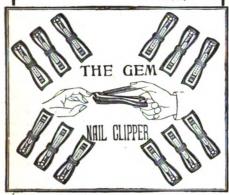
The first rolling mill in the United States to puddle iron and to roll flat iron bars, was built in 1816 and 1817 in Fayette County, Pa.

Connecticut was the first of the colonies to make steel. Pig iron was made in Virginia in 1732 by Augustine Washington, father of George Washington.

The Cornfed Philosopher.

"A woman is not so much interested in knowing where her husband is of nights as in knowing where he isn't," said the Cornfed Philosopher, by way of closing the discussion.—Ez.

The GEM NAIL CLIPPER CUTS, CLEANS, FILES.



Mounted 12 on card like the illustration. They make an attractive show and sell

SAMPLE BY MAIL, 25 CENTS.

The POPULAR Manicure

Perfect for removing hang nails. Send for circular and prices.

H. C. COOK CO.

ANSONIA, CONN.

AT THE FRONT The Morrow Goaster Brake.

Greatest Labor Saver. ECLIPSE MFG. CO., Ave.15, ELMIRA, N. Y.

Sleigh, House, Hand, Trip and Rotary Door

Send for Catalogue and Price-List STARR BROS. BELL CO., Easthampton, Copn., U.S. A.

JUSTLY CELEBRATED

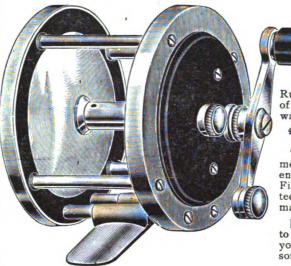
Genuine Barrios Diamonds

In Rings, Pins and Studs, \$1.00 each. Ear-Mail orders filled rings \$2.00 per pair. promptly upon receipt of price. Order now.



Barrios Diamond Co., 1139 Broadway. New York, U. S. A.

PFLUEGER FISHING REELS.



We are now manufacturing a complete line including all the popular styles and sizes: styles and sizes: Brass, Nickel, Ger-

man Silver and Rubber, suitable for all kinds of fishing, either salt or fresh water.

40, 60, 80, 100, 150, 200, 250, 300, 350 Yards.

The foreman of this department has had 25 years experience in the manufacture of Fishing Reels, and we guarantee our goods the finest in the market.

Prompt Shipments. Be sure to get our prices before placing your orders for the coming sea-

THE ENTERPRISE MANUFACTURING CO.,

Largest Manufacturers of Fishing Tackle in the United States, AKRON, OHIO.

> Saddles. Climax Spring

The first hygienic saddles marketed. Have stood the test of years' use. Are unequalled for strength, durability, lightness, speed and comfort.

We also make

AUTOMOBILE

WAGON SEATS.

Do not fail to get our catalogues and prices.

CLIMAX MFG. CO..

EAST HAMPTON, CONN.

SOLD EVERYWHERE BY EVERY BOD MANUFACTURED BY NEW DEPARTURE BELL CO.

BRISTOL, CONN. U.S.A. SELLING AGENTS

JOHN H. GRAHAM & CO. NEW YORK CITY.



CHEAP? YES. BUT IT'S GOOD.

The most light at the cost of a candle. It will increase your business to light up with

Search-Light Uapor Lamps, Local agents established as fast as possible.

Are you interested. 175 E. Division St., Chicago, Ill. Improved Quick and Easy Rising Steam.

Electric and Hand Power

Send for Circulars.

Kimball Bros. Co., Council Bluffs, lowa



Henry Disston & Sons, Philadelphia, Pa. [Saws, Files, etc.]: Our opinion of HARDWARE is contained in the fact of our having carried an advertisement in your paper for a period of four years.









Hardwaremen's Exchange.

Notices of HELP WANTED or SITUATIONS WANTED will be inserted in this column free of charge. Should not exceed Four Lines. Notices of SIDE LINE OFFERED, SIDE LINE WANTED and ALL OTHER NOTICES, twenty-five cents per line.

Help Wanted.

HARDWARE SALESMAN.—A salesman acquainted with the wholesale and large retail Hardware stores of the United States and Canada. to sell specialties in Builders' Hardware and Refrigerator Trimmings. Address, stating age, experience, salary expected, and references, Brass Goods, care Hardware, 275 Broadway, New York.

Situations Wanted.

ACCOUNTANT.—Position wanted by an experienced accountant and cashier. Open for engagement February first. Highest references as to character and ability. Address L., Box 1066, Derby, Conn.

A FIRST-CLASS ACCOUNTANT. book-keeper and cashier, understanding office work in every particular, desires to connect himself with some house, where integrity and strict attention to business would meet with fair compensation. Address P. P. P., care HARDWARE, 275 Broadway, New York.

A SSISTANT BUYER or ACCOUNTANT.—Young man (23) with long experience in Hardware and marine business, desires a position with a large concern where by strict attention to business he may receive advancement A I references. Address ACCURATE, care HARDWARE, 275 Broadway New York.

BOOKKEEPER.—Man (28) well educated, desires position in any State; neat and accurate; knows Hardware business thoroughly. Address Paul Fugler, 387 South Ave., Bridgeport, Conn 267

BOOKKEEPER thoroughly experienced and competent to take entire charge of office, desires position. First class references Address H. G. T., care HARDWARE, 275 Broadway, New York.

BUILDERS' HARDWARE SALESMAN.—Hustling young man, thoroughly familiar with Builders' Hardware, and prices of same, now with large manufacturers in New York City. desires a change. Address Hustler, care Hardware, 275 Broadway, New York. 268

HARDWARE BUYER. MANAGER OR SALESMAN. — A practical and experienced Hardware man wants position January first as buyer, manager or salesman. Understands architectural plans. Address Burr. care HARDWARE 275 Broadway, New York 281

HARDWARE CLERK.—Hardware man of experience and ability wishes to locate with some house in any capacity where his work will be appreciated. Address Burton, care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN of 15 years' experience, thoroughly acquainted with the wholesale trade throughout the United States and Canada, is open for engagement January first. Highest reference from last employer. Address H. J. Benson, Bethel Church, Lancaster, Pa. 282

HARDWARE SALESMAN.—A young man of wide experience in buying and selling Hardware, desires to connect himself with a progressive manufacturer who appreciates the value of brain and intelligence. Address W., care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN.—An At specialty salesman wants to represent some good firm in Cleveland and nearby trade. No traveling. Address Cleveland, care HARDWARE 275 Broadway, New York.

Situations Wanted.

HARDWARE SALESMAN.—Experienced Hardwareman wants position as salesman (road or store). New York State preferred. Thoroughly conversant with Builders' Hardware, Mechanics' Tools and Supplies, Farm Implements and General Machinery. First class references Address A. A. P., care HARDWARE, 275 Broadway, New York.

TRAVELING SALESMAN.—One of the most popular Hardware salesmen traveling in the South and Southwest wants a position January first. Has knowledge of all Hardware lines, especially experienced in Builders' Hardware Guns and Cutlery. Address T. T. Care HARDWARE, 275 Broadway. New York 283

YOUNG GERMAN speaking French and English, with knowledge of machinery Hardware, desires position. Address H. C. A. care HARDWARE, 275 Broadway, New York.

Export Business Wanted.

AN EXPERIENCED HARDWAREMAN who has spent some time on the road, and possessing the knowledge of how to develop a large Export Trade, here in the city, offers his services to a few ambitious manufacturers desirous of cultivating such extension of their present business. Correspondence solicited. Address Bobs, care HARDWARE, 275 Broadway, New York.

Side Line Offered.

GOOD CHANCE for Hardware salesman to sell the "Argand" Lamp as a side line; liberal commissions. Address Argand Vapor Lamp Co., Detroit, Mich.

HARDWARE SALESMEN.—To handle as a side line our laborsaving device. advertised elsewhere in this issue of HARDWARE, Liberal commission to good men We furnish free to our agents a perfect working model, pocket size, which will lift 500 pounds. Address. DEPT. C, BURR MFG. Co., Cleveland, Ohlo.

TRAVELING SALESMAN.—Salesman wanted for retail trade to carry side line of shears. Prices and quality right. Address W. M. B., care HARDWARE, 275 Broadway, New York.

TRAVELING SALESMEN—An experienced salesman visiting the Hardware and Stove Trade for New York and the New England States, to sell a standard line of high grade Air-Tight Heaters for wood, as a side line, on commission. Only first-class men with experience in this territory need apply. Address, stating territory covered, Box SS. Quincy, Ill,

For Exchange.

WANTED.—To exchange Michigan farm for country Hardware.
Address, Box 38, Fayette, Ohio. 285

Ad. Writing.

Do You Write Ads? SEND TODAY FOR INVALUABLE INFORMATION—FREE. HARPER SYNDICATE, Columbus, O.

Agency Offered.

LIVE HARDWAREMEN—We would like to hear immediately from a few live Hardwaremen who would like to be sole representatives in their towns, of a concern that is in the market for business, and have a line made for "men now on earth"—a modern line THAT CAN BE SOLD to your customers. Address "Box 88" care HARDWARE, 275 Broadway, New York.

Mail Order Specialties.

IGHT HARDWARE SPECIALTIES WANTED for a mail order business. Address The Mills Co., Cleveland, Obio. 247



Send for Catalogue.

. J. ADAM,



VAN DORN IRON WORKS CO., CLEVELAND, OHIO. ADAM'S STEEL & WIRE WORKS, Wire Fencing, Ornamental Steel Window Guarden Window Guarden Window Guarden Window Guarden Jail Work, etc.

ROBERT MURRAY-24 Duanc St., New York City.

JOLIET, ILLINOIS

General Hardware

Agent for Atlantic Screw Works.
Wood Screws of Every Description.
Agent for Maynard's Socket Shovels.

Standard Stamping Co.

Manufacturers of

SHEET METAL STAMPINGS, BICYCLE PARTS, NOVELTIES, and Contractors for SHEET METAL GOODS.

Corner Seventh and Hudson Streets, BUFFALO, N. Y., U. S. A.







A WHOLESALE HOUSE

Wishes to communicate with manufacturers of Tools for regular deliveries for Cash. Apply

E. NEWBORGH & CO., 46 Southampton Buildings, London, W. C

SHEARS,

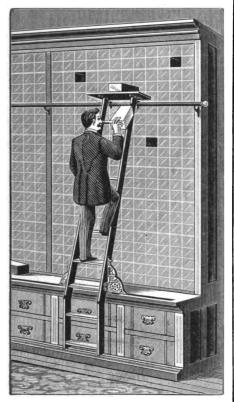
Steel Laid and Hard Cast, in great variety. Nail Pullers, Screw Drivers. Plyers, Wire Cutters. etc. Metal Goods of any kind to order on large contracts.



The Bridgeport Mfg. Co.,
Admiral Street, Bridgeport, Conn

THE BICYCLE STEP LADDER.

Especially adapted for Hardware Stores



The newest, neatest, simplest, easiest operated and safest store ladder made. Highest Award World's Fair. Write us. THE BICYCLE STEP LADDER CO., 65 Randolph St., Chicago, Ills.

1902 Model ready for delivery Jan. 1st.

Removes cut and dead grass, leaves, refuse, etc., from the lawn and sweeps SIDE-WALKS, PAVED STREETS and FACTORY FLOORS!
Made right, looks right, is right and guaranteed.

THE GREENE MFG. CO.,

JOBBERS

wanting a 1901 NOVELTY, that is a 1902 NECESSITY, must handle

THE "APOLLO"

LAWN-SWEEPER

20, 24 and 28 Inch Sweep.

Write for booklet and discounts.

12 East St., Springfield, Ohio, U. S. A.





If you want your store made attractive light it with

STERLING ARC SYSTEM

The simplest lamp, with fewer parts than any other on the market. Nothing to get out of order. No taking down to fill. Always ready for use.

ALL GOODS WARRANTED FOR TWO YEARS

WRITE FOR OUR SPECIAL PROPOSITION TO HARDWARE DEALERS.

DEPARTMENT H

Sterling White Light Gas Lamp Co., STERLING, ILL.



2000 Candle Power. (in door.)

Barrett's Glass Cutters Standard Barrett's Practical Glass Cutters are the standard the world over. Sold by more Hardware Dealers than all



other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U. S. A.

WRITE FOR QUOTATIONS



Mention "Bardware."

THE CLARK MFG. CO., Buffalo, N.Y

Lull & Porter, O. S.

"BUFFALO REVERSIBLE

SHUTTER HINGES

CLARK'S SURFACE BLIND HINGES, GATE HINGES, SASH PULLEYS, SPRING HINGES, CAST DOOR BUTTS, STOVE PIPE DAMPERS, ETC.

CET OUR PRICES BEFORE ORDERING Polygon Conductor **Pipes** Won't Burst.

The twist in the corrugation checks the sudden fall of ice checks the sudden fall of ice and water, thus protecting the joints. It stands hard knocks be cause it is corrugated. Again, it is much handsomer than plain pipe. Made in copper and galvanized iron.

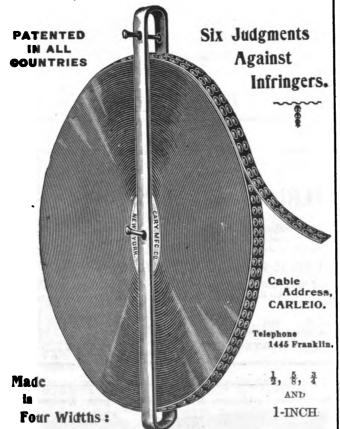
Catalogue and information free.

Address Dept. H, THE

AMERICAN STEEL ROOFING CO.

Middletown, O.

CARY'S UNIVERSAL BOX STRAP.



CARY MANUFACTURING

19 and 21 Roosevelt St., New York.



PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

the dealer upon request, by the manufa	
Adzes—	Peter
House Carpenters, Ogden's 50% Railroad " 50%	
Ammunition—	" P.
CAPS, PERCUSSION—§ 1000— U. M. C. Co., trimmed edge	" Wì
G. D	" Da
Rim Fire Cartridges	" Cai
ing	
ing	" Nit
PRIMERS— Berdan Primers	Win at
All other Primers	King Ke Ha
First quality, 4, 8, 10 and 12 gauge 25% First quality, 14, 16 and 20 gauge, \$7.50	Qua Can
New Club, New Rival and Climax	King' Hal
brands, 10 and 12 gauge883	Qua Can
Nitro	King' Ker Hal
Smokeless	Que
Nitro 155 High Ball 156 Smokeless 8814&105 Acme 8846&105 Brass Shot Shells, 1st quality 605 Brass Shot Shells, Club, Rival and Climax 656	1 fb King
Climax	Kea Hal
New Club," Black Powder40&5%	Qua 1 lb
New Club," Black Powder	34 n
Acme," Dense Nitro Powder,	An
'Irap," Nitro Powder40&10&10&0\$	Iowa Hav
GUN WADS-19 1000- E., 11 up\$.60	Wes
E., 9 & 10	Ant Ferna
E., 7	Burto
. E. 11 up	Steel Kohle
г. Е., 7 1.50 J	Invi Peri
atham Bros.: \$\mathbb{9}\$ bag	Bolt
Drop Shot, sizes smaller than B, 25-m bags	An
25-lb bags	Ameri Armit
Chilled Shot, 25-ib bags 1.00	Cincir Eagle
Dust Shot, 25-tb bags 2.10 PRIERS PRIMERS—	Hay B Peter
11 Primers\$1,10-1.1814	Samso Trento
CARTRIDGES— Peters Blank Cartridges:	Chene
Peters Blank Cartridges: .32 C. F., \$5.50	Holt's Miller
.22 cal. Rim, \$1.50	Au
3. B. Cape, Con. Ball, Swgd. \$1.85-1.90 3. B. Cape, Round Ball 1.12-1.18	Boring
Zentral Fire	Com. Forstr
	C. E. o Dou
Rim Fire Military15&5% PETERS SHELLS—EMPTY—	Nob No.
Peters Ideal, 10 and 12 gauge. 8816&10s	No. Car Car
Peters Ideal, 10 and 12 gauge881/6&10% New Victor, 10, 12 and 16 gauge15% Quick Shot, 10, 12 and 16 gauge 25&5%	King
League, 10, 12 and 16 gauge20205	Jennii Snell's
PETERS SHELLS-LOADED (BLACK POWDER)	Swan' Jeni
Peters League, 10 and 12 gauge.40&5% "Quick Shot,10,12 and 16 gauge40&5%	Jenn
Powder).	Jenr Russei
Peters Referee, 10, 12 and 16 gauge 40 & 5% Loaded with (Smokeless Powder).	A m aa 1
Peters New Victor, 10,12 and 16 gauge	Ames Bonne
ideal, iz gauge40&10&10&5\$	

s of any discrepancies, as we des y of their constant attention. s are given, will always be fur:	
urer quoted.	
GUN WADS-	
Peters B. E., 9 to 10	70c
" Victor, 8	80c
11 to 20 " P. E., 36 in. 8	60c
Peters B. E., 9 to 10 "10 to 20 "Victor, 8 9&10. 11 to 20. "P. E., 36 in. 8. 9&10. 11 to 20. "White Elastic, 56 in., 125 in a 1	. 1.25
"White Elastic, % in., 125 in a l	00x. .\$4.00
9&10	. 3.00 . 2.75
8	\$1.50
" Card Board, per 1,000:	26c
8	22c 18c
8 9&10	26c 22c
11 to 90	18c
King's Smokeless (Shot can)	\$22.00
Trait Preka (13% Pipa Drik)	11.25 5.75
Canister (1h buik) King's Smokeless (Rifle),	1.00
Quarter Kegs (6½/hs bulk) Canister (1h bulk). King's Smokeless (Rifle), Half Kegs (12½/hs bulk) Quarter Kegs. (6½/hs bulk) Canister (1h bulk) King's Semi-Smokeless,	11.95 5.75
King's Semi-Smokeless, Keg, 25 bs bulk	
King's Semi-Smokeless, Keg, 25hs bulk Half Keg, 194/hs bulk Quarter Keg, 6/4/hs bulk 1 ib Can, bulk King's Quick Shot (Black), Kegs, 35 hs	5.95 2.75
I to Can, bulk	.50
Half Kegs, 1216bs	4.00 2.25 1.25
1 % Can (24 in case)	.25
Discounts on application.	
Animal Pokes— Iowa Farming Tool Co.:	8 doz
Iowa Farming Tool Co.: 4 Hawkeye Western	\$8.25 8.75
Anti-Rattlers—	በ ይ 1 ሰ~
Fernald, Wire	0&10%
Kohler's	4U% 20070
Invisible, No. 8	\$6.00 7.00
Bolt Holder, No. 1	9.00
	9%c
Armitage's Mouse Hole	954c 5&10%
American "Horse-Shoe" Armitage's Mouse Hole Cincinnati 2 Eagle Anvils, W h 9c 15@ Hay Budden, Wrought Peter Wright's 94@ Samson 4 Trenton	15625% . 884C
Peter winght's	0&10%
ANVIL AND VISE COMBINED— Cheney Anvil and Vise	.40% 0&10% 15%
Angers and Dite	
Boring Machine	70%
Augers and Bits— Com. Auger Bits	25%
Double Spur pattern car, No. 80. Nobles Double Spur, No. 825	50% 0&10%
No. 10 Extension Lip	40%
Car Bits, No. 10	40%
Jennings' Pattern	0&10% 80~
Swan's: Jenning's Pattern Auger Bits,	
Jenning's Pattern Car	&10% 41%
Jenning's Pattern Car	25≴ lts. &21∡≠
HOLLOW AUGERS—	∞≈ >9 7 5&10⊈
Ames	00,

•
Cincinnati Nos. 1, 2 and 8
EXPANSIVE BITS — C. E. Jennings & Co
Common 40&10@50x Mayhew's Diamond ₹ doz. \$1.2540x Swan's40x C. E. Jennings & Co .45x Ladds .60&10x Mayhew's .40&210x Snell's .40&10x Snell's Bell Hangers .50x
BIT STOCK DRILLS— Cincinnati Tool Co., for wood, 40&10%
for metal, 60% Cleveland Wood Bits for Brace. 50&10% Detroit
Cleveland 60&10s K. & F. Straight Shank 60&10s Moree Straight Shank 50&10s New Process 60&10s Standard 60&10s Standard 01l Tube Drills 60&10s Styracuse 60&10s W. & B. Diamond 60&5@60&10s W. & B. Universal Self-Oiling 10s
8HIP AUGERS AND BITS— L'Hommedieu's
Awl and Auger Handles— See Handles
Awis- Handled Brad 40&10s Handled Scratch 40&10s Patent Peg 50g Sewing, Com. 88c@\$1.00 Shouldered Peg 50g Shouldered Brad 80g Socket Scratch \$ doz \$1.00 Stanley Rule & Leve: Handled Brad 30&10g Patent Pegging 50@50&10g
Awl and Tool Sets-
Alken's Awls and Tools: No. 10, \$\pi\$ dos. \$7.50; No. 20, \$\pi\$ dos. \$10
C. E. Jennings & Co.'s Adjustable Tool Handles
Axes—
First quality, beet brands\$6.50@7.00 First quality, other brands6.00@6.50 Beveled, add 25c. \$\text{9} doz.
HATCHETS— Hunt's, Underhill's or Blood's40&10s Peck's: Champion Blade .455 Empire Brand .50&10s D. Simmons & Co.: Broad .555 Shingling and Claw .50&55 Lath, Hunters', etc556
Axle Grease— Dixons' "Everlasting ": 1-h box
Balances— Chatillon's: Light, Class A
Balances, Sash— Pullman's

ackages, frequently make higher	Millers Falls, Goodell 15&7365	Barrel Drainers—
any discrepancies, as we desire to	Swan's	National
their constant attention.	EXPANSIVE BITS-	Beef Shavers—
given, will always be furnished quoted.	C. E. Jennings & Co	Enterprise: Japanned, each, \$7.5025@30% Tinned, each, \$9.0035@30%
	Ives' Model, \$6 doz. \$60	
GUN WADS-	DOUBLE CUT GIMLET BITS-	Bells—
rs B. E., 9 to 10	Common	HAND— Extra Heavy Brass
ictor, 8	Mayhew's Diamond ₩ doz. \$1.2540%	Light Brass
9&1070c	Swan's	Pure Bell Metal
11 to 20	Ladds	Silver Chime
9&10	Snell's	DOOR-
nite Elastic, % in., 125 in a box.	Snell's Bell Hangers50%	Trip, Gem
8\$4.00 9&10	BIT STOCK DRILLS-	
9&10	Cincinnati Tool Co., for wood, 40&10% for metal, 60%	Gong, Abbe's
amp Proof, per 1,000: 8\$1.50	Cleveland Wood Bits for Brace50&10%	Lever, R. & E. Mfg. Co.'s50&10s Multi-Stroke40s
9&10 1 25	Detroit	Multi-Stroke405 New Departure45@50%
11 to 20 1 00 ard Board, per 1,000:	Morse	co w —
8	Swan's, for wood	Common Wrought
9&1022c 11 to 2018c		Kentucky, Sargent's List
tro card:	TWIST DRILLS— Cleveland	Texas Star
826c 9&1022c	K. & F. Straight Shank60&10%	
11 to 9018c	Morse Straight Shank	Bellows-
POWDER-	Standard 60&10¢	Blacksmiths'
y's Smokeless (Shot-gun),	Standard Oil Tube Drills	Moulders'25 & 10#
gs (25hs bulk)	Syracuse	Belting, Rubber-
larter Kegs (61/41bs bulk) 5.75	W. & B. Universal Self-Oiling10#	***
nister (116 bulk)	SHIP AUGERS AND BITS-	Boston Belting Co.: "Boston"
	L'Hommedieu's	"Imperial," seamless stitched 40%
narter Kegs (61/16s bulk) 5.75 nister (16 bulk) 1 00	Watrous'831/4	Common Standard
's Semi-Smokeless.	Awl and Auger Handles-	N. J. Car Spring & Rubber Co.:
g, 25ms bulk	-	Extra Para
arter Keg. 614 tos bulk 2.75	See Handles	Staple60&10%
CAD. DUIK	Awls—	8tandari70&10%
's Quick Shot (Black), gs, 25 lbs 4.00 If Kegs, 1214lbs 2.25	Handled Brad	Belting, Stitched Cotton-
II Kegs, 1256bs 2.25 arter Kegs, 614bs 1.25	Handled Scratch	Sphinx Brand
Can (24 in case)	Souring Com 99c@\$1.00	Sphinx Brand
b Can (94 in case)	Shouldered Peg	Bench Stops—
	Shouldered Peg	Cincipanti 95&10¢
nimal Pokes—	Handled Brad 80&10s	Morrill's No. 1, \$10.00 per doz.; No. 2, \$11.00. 40&10% Seymour Smith & Sons. 25&10%
Farming Tool Co.: \$8 doz. wkeye \$8.25	Patent Pegging50@50&108	2, \$11.00
estern 8.75	Awl and Tool Sets-	Terrell s Nos. 1 and 2, \$8.00; No. 8,
nti-Rattlers—		Terrell s Nos. 1 and 2, \$8.00; No. 8, \$3.00 \$ doz
	Aiken's Awls and Tools: No. 10, \$\pi\$ doz. \$7.50; No. 20, \$\pi\$ dos.	Weston's40%
ald, Wire50&10% on's50&10%	\$1060%	Binder Twine—
	Brad Sets: No. 42, \$10.50; No. 45, \$12.5070s	White Sisal, 500 ft. to Ib 8c
Drive	No. 42, \$10.50; No. 45, \$12.50705 Fray's Adj. Tool Hdls., Nos. 1, \$12;	Standard, 500 ft. to th 8c
risible, No. 8	2, \$18; 8, \$12; 4, \$9; 5, \$750s foe Awls	Manila, 600 ft. to ib
er's: \$ gro. risible, No. 8 \$6.00 rfect, No. 9		Fure mannia, court, to ib
	Nos. 1, \$12; 2, \$12; 4, \$12; 5, \$18. 15@15&10s	Bit Holders—
vils—	C. E. Jennings & Co.'s Adjustable	Angular45≴
rican "Horse-Shoe"	Tool Handles	Extension: Rarber's 2 doz. \$15.0045@50\$
mnati	No. 2, \$4.00; No. 8, \$5.5080&10s	Extension: Barber's, \$\pi\$ doz. \$15.0045@50% Ives' \$\pi\$ doz. \$20.0060&10%
Anvils, \$9 to 9c15@15&5% Budden, Wrought8%c	Axes—	Bit Stock Drills-
'Wright's994@1034c	First quality, best brands\$6.50@7.00	See Augers and Bits.
on	First quality, other brands6.00@6.50	•
ANVIL AND VISE COMBINED-	Beveled, add 25c. \$ doz.	Blind Adjusters—
ey Anvil and Vise40%	Hunt's, Underhill's or Blood's40&10s	Domestic. # doz. \$3.00
s	Peck's:	North's
	Champion Blade	Zimmerman's50%
gers and Bits—	D. Simmons & Co.:	Blind Fastenings and Tenons-
ng Machine	Broad	Austin & Eddy ₩ gro. sets\$5.50
ner Pat. Bits	Lath, Hunters', etc	Forhan's Improved Star Tenon
Jennings & Co.; uble Spur pattern car, No. 8050≰	Axle Grease—	% gro. \$1.00
bles Double Spur, No. 8250&10%	Dixons' " Everlasting ":	Merriman's Brass Lever & gr\$15.00
. 10 Extension Lip40%	1-Tb box	Merriman's Iron Lever ♥ gr 9.00 Millers Falls ♥ set \$1.0015&10≰
. 10 Extension Lip Car Bit	2-Tb box	Security Gravity & gr\$9.00 Washburne's Plate & gr9.00
Bits, No. 80	25-1b keg 2.75	Zimmerman's
ng Augers	50-16 keg 5.00	
's Auger and Car Bits 60%	Balances—	Blind Hinges—
ning's Pattern Auger Bits,	Chatillon's:	See Hinges.
50@50&10% ning's Pattern Car44%	Light, Class A	Blocks-
ning's Pattern Machine25%	Circular Balances, Class C508 Ice Balances, Class B508	Burr Mfg. Co.'s Steel
ell Jennings' Augers and Bits. 95&10&214%	Straight Balances, Class A1 and A2.405	Chisholm & Moore Crane Load Blocks 15%
HOLLOW AUGERS-	Large Dial, Class D303	Cleveland Block Co. Steel60&10@70% Eddy's
25&10% ey's Adjustable, No. 4, \$24.00,	Balances, Sash—	Hartz' Steel
25@25&10%	Pullman's 50&10@609	Iron Strapped, Lig Vitae Sheaves 60%
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Barn Door Hangers-

See Hangers.



Rope Strapped, Japan'd Sheaves.60&10%	Bull Punches	Bridgeport Chain Co.: Brown, Coil	Coffee Mills— Box and Side
L. V. Sheaves	Humason & Beckley's25%	Brown, Halter	Enterprise Mfg Co
Junior, Self Sustaining80% Pat. Automatic80%	Bush Hooks— See Hooks,	Monarch Seeh	Logan & Strobridge Conet prices National Specialty Mig. Co20 The Swift, Lane Bros. Co20 Waddel's New Box Mills
Perfect Safety	Butchers' Cleavers—	Triumph, Coil	Waddel's New Box Mills10%
Regular Iron Strapped Blocks 60&10&10@70%	Bradley's	Covert Mfg. Co., Breast Chain Covert Mfg. Co., Halter Chain	Ideal Brand, New List 80@60&10%
Bolts—	Foster Bros. Flat Hds	Covert Mfg. Co., Heel Chain 85% Covert Mfg. Co., Rein Chain	Coil Chain— See Chain.
DOOR AND SHUTTER— Cast Iron Barrel, Square, &c50&10%	Lancaster Mach. & Knife Wks.381/6@40% & I. J. White	Covert Mfg. Co., Rein Chain Covert Mfg. Co., Stallion Chain Galvanized Pump Chain 44 to 414c German Coll, list July 24, '97 60&10s	Compasses, Dividers, &c.—
Cast Iron Chain	New Haven Edge Tool Co.'s40%	German Halter Chain, list July 22, 91	Athol Calipers and Dividers 405
Ives' Patent Door Bolts60% Wrought Barrel70&10@75%	P. S. & W	60&10% Jack Chain, Iron60@60&10%	Bemis & Call Co.'s: Compasses50&5
Wrought Square	Butcher Knives— See Knives.	Jack Chain, Brass 60&60&10% Oneida:	Dividers
40&10&10@50&10% Wr't Sunk Flush, Sargent's list	Butchers' Saw Blades-	Niagara 60% Eureka 60%	Copeland's Extension403
50@50&10%	Millers Falls Co. Star 15@15&10%	Trace, Wagon and Fancy Chains, New List	Stevens' "Ideal" 25&10% Stevens' "Leader" 25&10%
Wr't Sunk Flush, Stanley's list 45&45&10%	C. E. Jennings & Co25&10%	COM TIES—	Starrett's Fay's Patent Spring Calipers and Div25&10
Wr't B. K. Flush, Com'n, Stanley's list	Butter and Cheese Triers—	American	Wright's
Wrought Spring, Sargent's	Ordinary Black Handle25% Humason & Beckley's25&10%	Niagara	Coopers' Tools— Bradley's
Bolt Ends	Butt and Rabbet Gauges-	Cotton	Barton's
Carriage, Common	Stanley's25&10%	Jute	Beatty's
Norway Iron, list Oct. '84	Butts-	Chain Guards—	Sandusky Tool Co 25&10@30&109 Shaves, Cincinnati Tool Co15@15&10g
Sleigh Shoe	BRASS—	Aluminum S. & N. Co50	Corkscrews—
American Screw Co.:	Cast Brass, Fast Joint40&10@50a Cast Brass, Ice House40	Chain Hoists—	Detroit Cork-Screw Co
Bay State, Plain, list Dec. 28, '99.771/48 Bay State, Finted	Cast Brass, Loose Joint40&10@50% Wrought Brass, list Sept. '96.40@40&5%	Moore's "Anti-Friction"30% Moore's "Direct"50%	Humason & Beckley Mig. Co40&10
Norway, Phila., list Feb. 26, '9682\4\5	CAST IRON-	Cherry Stoners—	Samson
Common, list Dec. 28, '99	Loose Joint	Enterprise	Corn and Fodder Compressor-
Portchester. Norway	Loose Joint, Jap. with Acorns 70@70&10%		J. B. Hughes', # dozen net\$8.0
Plow	Loose Pin	Chisel and File Handles— See Handles.	Corn Hooks— P do
MISCELLANEOUS —	Parliament Butts	Chisels—	Kretsinger Cut-Easy\$8.00 ne
8ink	Fast Joint, Narrow 50@50&10%	SOCKET FRAMING AND FIRMER-	Corn Knives and Cutters-
Bone Mills. Enterprise	WROUGHT STEEL— List April 1, 1895.	Buck Bros	Bradley's
Stearns40%	Bronzed Inside Blind Butts 60&10% Bronzed, Narrow50@50&10%	Douglass	Countersinks—
Borers, Bung.	Feet Joint Narrow 60x1	Ohio Tool Co	Mayhew's Diamond
Enterprise	Fast Joint, Light Narrow 60% Fast Joint, Broad	Giran	Snell's
Nos 1 2 8 C. E. Jennings & Co.:	Loose Pin	Witherby. C. E. Jennings & Co, No. 70. 206	
No. 6	Calipers—	Jennings & Griffin Mfg. Co70% TANGED AND MISCELLANEOUS—	Crayons— Sargent's List20
Borers, Tap—	Bemis & Call: Wing60%	Rov	Sargent's List 20 Dixons: \$ gr Eclipse \$3.7 Emerald 5.6
Common Ring	Double	Buck Bros	Emerald
Ives25&10%	Straight Leg	C. E. Jennings & Co	Rainbow
Boring Machines— WITHOUT AUGERS—	Can Openers—	Chisels and Gouges	
Unright Angular	American	Tanged Firmers'	Curry Combs— Fitch's Listnet price
Douglass'\$3.75 \$3.38 Jennings' 8.00 8.75	Hopper's	COLD CHISELS— 18c@20c	Kohler's
Millers Falls 7.50 15≴ Snell's, Rice's Pat 2.75 8.00	Sardine Scissors	Good quality, \$1518c@20c Snell's Best C. S507	New York Stamping Co. List, Sept.
Bow Pins-	30 doz., \$4.50	Chucks-	Perfect
Hotchkiss60&10%	Sprague, No. 1, \$2.00; No. 2, \$2.25; No. 3, \$2.50	Beach Patent, each, \$8.0620% Cushman's:	Southington Cutlery Co.'s25&10
Boxes, Mail. Heller's	Universal, % doz., \$8.00	Combination40%	Cycle Hangers— Lane's
Box Strapping—	Carpet Stretchers— Montross' "Excelsior,"% doz.,	Morse's Adjustable, each, \$7.0025% Syracuse, Balz Patent	
Cary's "Universal," in case lots.	\$6.00	Union Mfg. Co.: Combination 40%	Diggers— See Post Hole, etc.
20&10@20&10&10x Braces—	Cast Iron Steel Points	Independent	Dividers—
Barbers'	Carriage Bolts—	Universal	See Compasses, Dividers, etc.
Common Ball American 60@60&10% Ives':	See Bolts.	Clamps—	Dog Collars—
Barbers'	Carriage Makers' Clamps—	Adjustable, Cincinnati	Chain (full assortment)
New Haven Ratchet	See Clamps.	Adjustable, Stearns'	Leather (full assortment)40&10 Pope & Stevens:
Spofford. 60&5% C. B. Jennings & Co.:	Cartridges—	Adjustable, Stearns'	Brass
No. 108@11414	See Ammunition.	Carpenter's, Cincinnati	Leather
No. 108@11414	Casters	Carriage Makers', Sargent's 50@50&10% Carriage Makers', Stearns' 50@50&10% Carriage Makers', P. S. & W. Co.40&10	50@50&10 Door Bolts—
Peck's (P. S. & W. Co.)50&10@60% Gen. Spofford's,50&10@60%	Franch or Phile Iron Wheel 75/8/75&104	Smith's:	See Bolts, Door.
Brackets-	Plate	Eccentric	Door Checks—
Door Screen. 60&10x Shelf, Bradley's Patent. 75%	Standard, Ball Bearing45%		Bardsley's
Shelf, Plain, Regular list	Cattle Leaders—	Cleaners, Sidewalk— # doz	Eclipse
@50&5% Window Screen Corner	Humason, Beckley & Co.'s70&10%	Challenge Shank\$8.25	Norton's
Reading, Plain	Sargent s 10210%	Star Shank 4.00	Door Holders—
Bracket Saw Frames—	Chain—		Empire5
Millers Falls Co	American Halter Chain50@50&10%		Door Springs-
Bracket Sets-	American Proof Coil, Cask lots. F. O. B. Pittsburgh.	Chicago Flexible Shaft Co.'s: Chicago Belt Clipping Machine,	Champion (Coil)
Millers Falls Co	Inch. Per b. 88.00	Each \$15.00 net	Rubber, complete, # doz. \$5.50.45@5
Box Hooks, Openers and Scrapers—	5-16 5.00	TOILET	Torrey's Rod, 89 in., \$6 gro\$15.
Humason & Beckley's60&60&10	7-16 4.25 7-16 4.10	Chicago Flexible Shaft Co.'s: \$ doz.	Torrey's Rod, 43 in., \$\frac{1}{2}gro
Bright Wire Goods— Standard. New list80	14 4.00	Monitor	Drain Cleaners—
Bull Rings—	3.85 3.85	Stewart Pat10.00 net	Iwan's Adjustable
Humason, Beckley & Co.'s80	7/6	40440440	
Peck, Stow & Wilcox Co.'s609 Sargent's809	An advance of 25c. 79 100 to is added on	Norway Spring Bar Clips 60&10&10% Superior Axle Clips 60&10&10%	
Seymour Smith & Sons	orders of less than cask lots.	Superior Axie Clips	Cargoar & Master Control of Contr



JANUARY 25, 1902.	HARD
Drawing Knives—	Disston's Superfine25@30%
Adjustable Handle25@25&10% Bradley's85%	Eagle
Douglass70&10% Tennings & Griffin 66944	Kevatone 906:90.810
Bradley's	Nicholson 70&10x Nicholson's X. F. Files. 300#25&10x Royal. 80@80&10x Second Quality Files 80&10x
P. S. & W	Royal
itherby	Second Quality Files80&10\$
. & I. J. White20&5@25\$	StubeStubs' list, 30@38145
Drills and Drill Stocks—	Filters—
ntomatic Boring Tools	Acora
cksmiths'60%	Subject to trade discount.
east, Bartholomew's25&10% east, Goodell's25@30%	Fish Hooks—
east, Millers Fails, each \$8.00.15&10%	Amer. Fish Hook Co. list 60@60&10%
lackemiths' 60% reast, Bartholomew's 25&10% reast, Goodell's 25680% reast, Millers Fails, each \$3.00.15&10% lamp 20% atchet, Billings' Double Acting 831% atchet, Ingersoll's 556	Kirby & Limerick, low list (50c base).10%
atchet, Ingersoll's	Fish Scalers—
tchet, Moore's Triple Act25@30%	Covert's Saddlery Works: _ Great American
stchet, Whitney's	Fitch'snet prices
atchet, Hotel's 1 Tiple Act. 2003/8 atchet, Witchet's 40% atchet, Weston's 20025% earns' Bench 30% pright B. & P 50% and, Goodell's 30&10% hitney's Hand Drill, No. 1, \$10.00; Adjustable No. 10, \$12.00. 83163 ilson's Drill Stocks 10%	Fluting Scissors—
pright, B. & P50%	Liet
hitney's Hand Drill, No. 1, \$10.00;	Forges— Boynton & Plummers60
Adjustable No. 10, \$12.00881/4% ilson's Drill Stocks	Forks—
TWIST DRILLS-	Steel Goods Association List, Aug.
ee Augers and Bits.	1, 1899.
BLACKSMITHS'	Barn or Ice Forks40&5% Ballast or Stone Forks40&5%
oe's	Beet Forks 40&5%
Drug Mills—	Coal Forks
stional Specialty Mfg. Co80%	Hay Forks, Four Tine, Standard Size
nterprise Mfg. Co25@30%	Size
Easy Lawn Swings— \$\pi doz.	Manure Forks, Four Tine
lrich Mfg. Co \$85.00 gg Beaters—	Manure Forks, Five and Six Tine70% Grain or Barley Forks70&10&21/6#
eystone	Heavy Mill, Manure or Street Forks. 75% Oyster Forks
piral 9 gro. \$4.25@\$4.50	Potato Digging Forks65%
98167 9 970 \$4.25@\$4.50 9 970 \$4.25@\$4.50 9 970 \$4.25@\$4.50 Net prices. 1 9 970 \$4.25@\$4.50 Net prices.	Potato Scoop Forks
Emery—	Shaving Forks
enume Turkish Walpole Mills, No. 6 to 46, 39 ib10c)	Socket Manure Forks, Four Tine703
No. 54 to 150, \$\(\pi\) \$\(\beta\). 10c \\ 20\(\sigma\) Flour, \$\(\pi\) \$\(\beta\). 8c	Socket Spading Forks, rour Tine, 70&5&5&2145
	Spading Forks
Enameline— \$\pi\$ gro.	Tanner's Forks
o. 4 \$4.50 o. 6 7.20	Hay Forks, Three Tine, Standard Size
Escutcheons—	Hay Header and Baler Forks, Three
7ood	Spading Forks 702523258 Stone Picking Forks 65% Tanner's Forks 4025% Hay Forks, Three Tine, Standard Size 66% Hay Header and Baler Forks, Three Tine 67742246 Bay Forks, Two Tine, Standard Size 65%
E-pansive Bits-	Size65%
ee Augers and Bits.	Fruit, Wine and Jelly Presses.
Farriers' Knives— 🗘 doz-	Enterprise
Challenge''\$3.00 opes	Fry Pans
/ilkinson's	Burnished, regular goods75@75&10% Standard List
Faucets—	No 0 1 2 8 4
rass Globe Cocks65@65&5%	% doz. \$8.00 \$3.75 \$4.25 \$4.75 \$5.85
rass Racking	% doz\$6.00 \$7.00 \$8.00 \$9.00
ompression Bibbs with flange	Fuse-
65&10@70# ever Handle Bibbs, Gr. Ky.	₩ 1000 ft. Hemp Fuse\$2.60
Rgh	Cotton Fuse 2.90 Single Taped Fuse 8.25
Rgh	Double Taped Fuse 4.20
ed Cedar, bbl. lots	Triple Taped Fuse 5.00
rary's Iron Petroleum65@65&5% ohn Sommer's "Peerless," Tin	Gate Hinges—
Key	See Hinges.
hn Sommer's "Victor," Metal	Gauges—
ohn Sommer's "Victor," Metal Key	Bemis & Call's Steel
key	Boss, Screw Pitch
Key	Marking, Mortise, etc 55&10@55& 10&10%
Key50%	Stanley's
hn Sommer's "Rival," Metal Key.50% hn Sommer's "Crescent." Metal	Starrett's Surface, Center and
Key	Consignd Champion Rit. 39 doz
onn Sommer's "Diamond," Lock40% ohn Sommer's "Eclipse," Lock.40&10%	\$2.00 net.
ohn Sommer's "Union," Lock 50%	\$2.00 net. \$tubs' Wire and Drill
Lined	Wire, P. S. & W., low list10&10%
onn Sommer's "Reliable," Cork Lined 50&10s	Wire, Wheeler, Madden & Co10%
Lined	Gimlets— "Diamond" Gimlets, # gr\$4.00@\$4.25
Lined 70% ohn Sommer's "O. K.," Cork Lined 50% ohn Sommer's "Chicago," Cork	"Diamond" Gimlets, # gr. \$4.00@\$4.25 Double Cut
Lined	Metal Head
Lined	Swan's, German Pattern40&10%
Lined	Gimlet Bits-
50&10% tar60@60&5%	See Augers and Bits.
SELF MEASURING-	Glass Cutters—
nterprise \$6 doz. \$86.0040% ane's \$6 doz. \$36.0040&5@40&10%	"Woodward"net prices "Red Devil"net prices
ational Specialty Mfg. Co88343	Globe and Backing Cocks—
Files—	See Faucets.
DOMESTIC— New List, Nov. 1, 1899.	Glue-
merican	Dodd's Liquid Glue 25&25&10s
Rarton Smith	Le Pages Liquid
sston's75&5≴	Martins40%

Glue Pots — Bnameled
Graters— Enterprise
Griddles— Cronk's70%
Grindstone Fixtures— P. S. & W. Co
Gunpowder— See Ammunition.
Gun Wads— See Ammunition.
Hafts— Britton's \$\varphi\$ doz. \$6.50
Halters— Covert Mfg. Co: Jute Rope Halters 85% Sisal Rope 20% Web Halters 45%
Halter Chain— See Chain.
Hammers— HANDLED HAMMERS—
Humason & Beckley
Maydole's
Engineers and B. S. Hand
HEAVY HAMMERS AND SLEDGES-
HEAVY HAMMERS AND SLEDGES— Under 8 b
Hammock Ropes— Covert Mfg. Co.:
Jute
Ulrich Mfg. Co.: Osborne's \$\pi doz., \$15.00
Handles— IRON, WROUGHT OR CAST—
TRON, WROUGHT OR CAST— Chest Handles, Sargent's
Or Thumb
Drawer Handles
Tub Handles
Bronzed
Bronzed
DOOR PULL— Barn Door
Drawer Pulls
Drawer Pulls 50&10@60% Plain B. M 60@60&10% Push Plates, Sargent's List. 60@60&10% Sash Pull Plates 70&10% Sash Pulls 60&10&10% Sash Pulls 60&10&10%
Window Pulls
Auger, Douglass' Pat., % set, No. 2, \$1.40.60&10%
wood— Auger, assorted. \$ gr. \$2.25@2.50 Auger, large \$ gr. \$ 0.00@3.25 Auger, Douglass' Pat., \$ set, No. 1. \$1.0 : No. 2, \$1.40.60&10\$ Auger, Ives' Pat., No. 1. \$0.2 to 32½ No. 2 to 32½ Auger, Swan's Pat., \$ set, No. 8. \$1.00; No. 4, \$1.25 Brad Awl \$ gr. \$1.75@\$2.00 Chisel, Worcoster, Leather Cap'd. 1.50 Disston's Crosscut
Brad Awl \$\pi\$ gr. \$1.75@\$2.00 Chisel, Worcoster, Leather Cap'd. 1.50 Disston's Crosscut
Disston's Crosscut 50% File, assorted \$\ \mathref{gr. \$1.25\text{@1.40}}\$ Firmer Chisel, Apple, assorted, \$\ \mathref{gr. }\$2.25\text{@2.50}\$
Hammer, Hatchet, Axe, Sledge, etc., 50&2% Hoe, Rake and Fork60&10@60&10&5% "Simplicity" File Handles, # gr. 90@1.50
**Simplicity "Frie Handles, # gr. \$.90@1.50 Saw and Plane
OROSS-CUT SAW HANDLES— Atkins
Hangers—
Barn Door, old pattern60&10%
Barn Door, old pattern
Barn Door, old pattern

:	Cronk's Steel, cov'd, Loose Axle.60&5%
:	Coburn
	Barn Door, Standard60&10%
	Barn Door, Standard
	No. 50
;	
	Standard
;	New Champion " 2.40@ ————————————————————————————————————
	Manhattan
•	\$18.00; No. 1 Special, \$15.00, \$60.510
	dozen pairs
	Wilcox's New Contury 50&10&10
	Harness Snaps—
	See Snaps.
	Hasps and Staples—
	McKinney's "Perfect," \$1.10 \ doz.50\ Wrought85\&85\&10\
	Wrought
	Hatchets-
	See Axes.
	Hay Hooks—
	Humason & Beckley 60&10%
	Hay Racks—
	Baxter Wrought Iron, No. 1, \$1.00, uet; No. 2, \$1.50, net.
	Hay Tools—
	F. E. Myers & BroNet prices.
	Hay and Straw Knives
	Anburn Hay, Com. and Spear Point50% Iwan's Hay, Sickle Edge, \$ doz. net \$10 Iwan's Hay, Imp. Serrated \$ doz.
	Iwan's Hay, Imp. Serrated & doz.
	net
	Auburn Straw
	Wadsworth's40%
	Hinges—
	WROUGHT IRON HINGES-
	6 to 12 in., \$ 15,
	Screw Hook and Strap, 14 to 90 in., 30 lb, 8c.
	and Strap, 22 to 36 in., \$6 b, 254c.
	New List, March 15, 1901. Light Strap
	Light Strap
	Light T
	Heavy T
	Long Chest 60% g
	Hinge Hasps and Staples55%
	Corrugated Extra Heavy T75%
	SPRING HINGES-
	Bommer's Brothers. Bommer Spring Hinges40 Bommer B. B. Floor Hinges40
	Bommer B. B. Floor Hinges
	Chicago
	GATE HINGES— Clark's, Nos. 1, 2, 850&10@60&10% N. E., \$\forall \text{ols.} \\$ 7.80
	GATE HINGES— Clark 'a, Nos. 1, 2, 8 50&10@60&10% N. E., 2 doz. \$7.80 00% N. E., Reversible, 2 doz. \$5.60 60% N. Y. State, 2 doz. \$4.90 60% Shepard's, Nos. 1, 2, 8 60&10% Western, 2 doz. \$4.20 60% BLIND HINGES—
	GATE HINGES— Clark 'a, Nos. 1, 2, 8 50&10@60&10% N. E., 2 doz. \$7.80 00% N. E., Reversible, 2 doz. \$5.60 60% N. Y. State, 2 doz. \$4.90 60% Shepard's, Nos. 1, 2, 8 60&10% Western, 2 doz. \$4.20 60% BLIND HINGES—
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	GATE HINGES— Clark 'a, Nos. 1, 2, 8 50&10@60&10% N. E., 2 doz. \$7.80 00% N. E., Reversible, 2 doz. \$5.60 60% N. Y. State, 2 doz. \$4.90 60% Shepard's, Nos. 1, 2, 8 60&10% Western, 2 doz. \$4.20 60% BLIND HINGES—
-	GATE HINGES— Clark's, Nos. 1, 2, 8. 50&10@60&10% N. E., \$\psi \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	GATE HINGES— Clark 'a, Nos. 1, 2, 8 50&10@60&10% N. E., 2 doz. \$7.80 00% N. E., Reversible, 2 doz. \$5.60 60% N. Y. State, 2 doz. \$4.90 60% Shepard's, Nos. 1, 2, 8 60&10% Western, 2 doz. \$4.20 60% BLIND HINGES—
-	GATE HINGES— Clark's, Nos. 1, 2, 8. 50&10@60&10% N. E., \$\psi \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
-	GATE HINGES— Clark's, Nos. 1, 2, 8. 50&10@60&10% N. E., \$\pm\$ doz. \$7.80
	GATE HINGES— Clark's, Nos. 1, 2, 8
	GATE HINGES— Clark's, Nos. 1, 2, 8 50&10@60&10% N. E., \$\psi\$ doz. \$7.80
	GATE HINGES— Clark's, Nos. 1, 2, 8 50&10@60&10% N. E., \$\psi\$ doz. \$7.80
-	GATE HINGES— Clark's, Nos. 1, 2, 8 50&10@60&10% N. E., \$\psi\$ doz. \$7.80
	GATE HINGES— Clark's, Nos. 1, 2, 8 50&10@60&10% N. E., \$\psi\$ doz. \$7.80
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	GATE HINGES— Clark's, Nos. 1, 2, 8 50&10@60&10% N. E., \$\psi\$ doz. \$7.80
·	GATE HINGES— Clark's, Nos. 1, 2, 8 50&10@60&10% N. E., \$\psi\$ doz. \$7.80
	GATE HINGES— Clark's, Nos. 1, 2, 8 50&10@60&10% N. E., \$\psi\$ doz. \$7.80
	GATE HINGES— Clark's, Nos. 1, 2, 8 50&10@60&10% N. E., \$\psi\$ doz. \$7.80
	GATE HINGES— Clark's, Nos. 1, 2, 8 50&10@60&10% N. E., \$\psi\$ doz. \$7.80
	GATE HINGES— Clark's, Nos. 1, 2, 8 . 50&10@60&10% N. E., \$\pm\$ doz. \$7.80
	GATE HINGES— Clark's, Nos. 1, 2, 8 . 50&10@60&10% N. E., \$\pm\$ doz. \$7.80
·	GATE HINGES— Clark's, Nos. 1, 2, 8 . 50&10@60&10% N. E., \$\pm\$ doz. \$7.80
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	GATE HINGES— Clark's, Nos. 1, 2, 8 . 50&10@60&10% N. E., \$\pm\$ doz. \$7.80
	GATE HINGES— Clark's, Nos. 1, 2, 8 . 50&10@60&10% N. E., \$\pm\$ doz. \$7.80

Hollow Ware—	N. J. Car Spring & Rubber Co.: Extra Para	Letter Box Plates— Name Door Plate50@50&10%	Mitre Boxes— C. R. Jenninge & Co
gate Nickel Steel Ware, list July,	Reliable	Name Plate	Mop Wringers—
1899	Standard70&10%	Sargent's	Matchless (Canton, O.), \$\pi\$ doz\$12.0
Jan. 2, 1895	Ice Awls, Chippers, &c.—	Levels-	Motors-
econd Quality, Granite, 70&10@70&10&10	Crown 9 gr. \$9.00 net	C. E. Jennings & Co.'s: Hexagon	COFFEE MILL
ron Clad :	Gem Ice Shavenet Sargent's Ice Awls	Iron Bench, new design25&10%	Specialty Novelty Coeach \$5.0
Peppered Ware, high list	Snell's	Lifters-	Nails—
STOVE HOLLOW-WARE—	Ice Cream Freezers	See Transom Lifters.	See Review of the Markets for
round60&10%	See Freezers, Ice Cream.	Cotton and Linen Fish, Draper's 50%	quotations. Wire Nails and Brads, Papered, Ass'n
Inground	lce Shredders—	Cotton Chalk, 20 feet	list, July, 189985@86&10
Boilers and Saucepans50@50&10%	Enterprise, No. 88. 8 dos. \$6.0025@303	Cotton Trot	Brass Head, Combination list50
Maslin Kettles	No. 84. 39 doz. 15.0025@807	Colored Cotton	Brass Head, Sargent's list 70@70&5 Niles' Patent
50@50&10% 81LVER-PLATED—	Jack Chain— See Chain.	37- 04- # 90#	Porcelain Head, Comb'n list
4 mo, or 5% cash in 80 days.	Jack Screws—	Samson Cotton, No. 4, \$2.00; No. 47, \$2.5010%	Porcelain Head, Sargent's list56
Iartford Silver-Plate Co40&5% Iolmes & Edwards Silver Co.40&15&5%	See Screws.	No. 0 to 5 Samson Cotton, No. 4, \$2.00; No. 4% \$2.50 10x Silver Lake, Braided, No. 0, \$6.00 No. 1, \$6.50; No. 2, \$7.00; No. 8,	Antique Bronge
Ieriden Britannia Co	Kettles-	\$7.50 % gross	China
logers & Brother40&5≰	Spun Brass, Plain	White or Drab Cot. of dox. \$7.00 #UN	Plain.
impson, Hall, Miller & Co40&5% Villiam Rogers Mfg. Co40&10%	Metal10@15%	Wire Clothes, 100 feet, No. 18, \$2.25; No. 19, \$2.00; No. 20, \$1.75.	Nall Pullers—
Hooks-	Knives-	• •	Ajax, 5 hs
AGRICULTURAL—	Ames': Bread Knives, # doz \$1.5020%	Loaded Shells— See Ammunition.	Orolone
otato, all kinds	Butcher Knives	Locks-	Eclipse
owa F. T. Co.'s Clam60&10&2145	Shoe Knives 25%	DOOR LOCKS, LATCHES, &C.	Eureka, No. 73
BUSH ennings & Griffin's 381/4&5%	Cronk's Chopping	Branford Lock Conet prices Champion Night Latches40%	\$16.50; No. 2, \$15.00
corn—	Foster Bros.' Butcher, &c80% Goodell's:	Lockwood Mfg. Co	Lightning
retzinger Cut-Ezy \$\pi doz. \$8 net OAST IRON—	Bread Knives Ass'n listnet Butchernet	Moore's Elevator Door	National \$ doz. \$94.00, Pelican \$ doz. \$9.00, 40@40& Scranton Improved, in Case Lots:
Sird Cage, Sargent's list60&10&10#	Shoe Knives	Plate	Street No. 31 47 (102, 26)
ird Cage, Reading 60@60&10% ird Cage, Williamson 50%	Hay and Straw, see Hay Knives.	Reading Hardware Co40%	" No. 8 B 6' Clos. 4
eiling, Sargent's list 50&10% handelier	Table and Pocket, see Cutlery. Wilson's Butcher Knivesnet	Sargent & Co	Large, No. 1
lothes Line, Sargent's list50&105	Knives, Hay and Straw-	OABINET—	" No. 2 B
oat and Hat, Sargent's list50&10s oat and Hat, Reading60&10s	See Hay Knives.	Eagle Lock Co	" No. 2 D \$ doz. 4
coat and Hat, Stowell's	Knobs-	Yale	Nail Sets
amp55≴	Bardsley's Wood Door, Shutter and Base	PADLOCKS—	Buck Bros
icture		Acme Bicycle and Satchel, # doz.,	Humason's50&
Vardrobe 55≸	Carriage, Jap	Ames Sword Co	Hunters' Cup Point, Knurled \$10
WROUGHT IRON AND STEEL— ottou	Door Por. Jap'd, " "50%	Brown's Chain	Hunters' Cup Point, Plain Octagon
otton Pat. (N. Y. Mallet & Handle	Base, Rubber 11p, 25g in. Beau, w. K. 51.00 Carriage, Jap	Champion. 40% Eagle 40%	Round, assorted
Works)	Picture, Sargent's	Scandinavian	Snell's:
% doz		Smith & Egge Bicycle 50% Wrought Iron 75&10%	Octagon
Cassel, T. & S. Mfg. Co 50&10%	Latches— ₩ doz.	Yale Lock Conet prices	Knurled 9
18mmock Hooks, E. C. Steams, 50c 9 doz	Cronk's Barn Door	TRUNK—	Nippers—
Interprise	Lawn Mowers—	Corbin's	Acme
Humason & Beckley80&10%	Champion	Machine Bolts-	Todd's Cutting
Atlas Coat and Hat	Clipper Improved50&10&10&5% Continental60&10%	See Bolts.	Nut Crackers—
Belt	Enterprise40&10% Genuine Philadelphia Mowers:	Mail Boxes—	Acme, Japanned
Wire Coat and Hat, Acme50&10@50 &10&5%	04-1 M G O 17 TO 70.8-10st	See Boxes, Mail.	Turner & Seymour Mig. Co
Vire Coat and Hat, Gem50&10@50	Style A. (all steel)	Mallets-	Nuts Off
&10&5% Vire Ceiling, Gem50&10@50&10&5%	Style E., High Wheel70&10&5% Drexel, low list 60%	Sargent's List: Hickory	Hot pressed, square, blank\$
Vire Coat and Hat, Standard40%	Gold Coins, low list60%	Lignumvitæ50@50&10%	Hot pressed, hexagon, blank Hot pressed, square, tapped
MISCELLANEOUS— lovert Mfg. Co.:	Great American	Mattocks-	Hot pressed, nexagon, uspbed
Safety Gate and Scuttle Hooks 85% Frass No. 2, \$1.65; 8, \$1.80; 4, \$2.00	New Departure, High Wheel	Cronk's Garden	Cold punched, plain, square, blank Cold punched, hexagon, square,
Tooks and Eyes—Brass60&10% Tooks and Eyes—Mal. Iron70@70&10%	New Fara	Meat Cutters—	blank
Cotton, Box and Hay	New York		Cold punched, plain, square, tapped
Horse Clippers—	12 in. 14 in. 16 in. \$6.00 \$6.25 \$6.50 each net	American	tapped
ee Clippers.	Pennsylvania	Dixon's	Oilers—
Horse Nails-	Racine	Nos 1	Brass and Copper40&10
Nos. 6 7 8 9 10 L.C25c 28c 22c 21c 21c 40&54	Standard	Enterprise 25@25&7345 Nos 5 10 12 20 22 32	Cushman & Denison's:
merican, all sizes1014c net	Lawn Sprinklers—	Each \$2 \$8 \$2.50 \$5 \$4 \$6 Hales Pattern, \$2 doz	LeaderPerfect Otlers
Nos. 6 7 8 9 10 Lusable 28c 26c 25c 24c 28c .50&10s	Enterprise	NOS	Star Pocket Oilers
B. K25c 28c 22c 21c 21c 40% Capewell19c 18c 17c 16c 16c 10&5%	Gibbs' Arc	\$27 \$33 \$45 Home No. 1, \$2 doz. \$2660%	Draper's: Brass
Champlain 28c 26c 25c 24c 23c	Philadelphia Lawn Mower Co.: Philadelphia Lawn Sprinkler:	Little Giant	Malleable, Hammers, New Style
40@40&10% linton Fin .19c 17c 16c 15c 14c80&5%	No. 1. No. 2. No. 8.	485 448 444 472 300	100500
Geex28c 26c 25c 24c 23c 40&10@50%	3 doz. \$12.00 \$15.00 \$24.0080≴	Miles' Challenge, \$\pi \doz45@45&10% Nos	Malleable, Hammers, Old Pattern same list
yra, all sizes	Covert Mfg. Co. Cattle45%	\$22 \$30 \$40 Woodruff's, \$ doz	same list
Neponset. Nos. 5 to 10, \$6 to 12c.	Lead Pipe, Etc.	Nos 100 150	Wilmot & Hobbs Mfg. Co.'s Stee
Northwestern 25c 23c 22c 21c 20c 25@25&5\$	Lead Pipe, full lengths6c	Beef Shavers (Enterprise)25@30%	Anti Rust
Putnam 28c 21c 20c 19c 18c 881/65	Lead Pipe, cut lengths	Chadborn's Smoked Beef Cutter \$\forall \text{doz. \$60.00}\$	Zinc and Tin60&106
Vulcan 28c 21c 20c 19c 18c.25&10#	Block Tin Pipe		Oil Stones, etc.—
Horse Shoes— Horse and Mule, Iron, per keg\$8.60	Sheet Lead, full rolls		OIL STONES—
Steel, per keg 8.85	Quantity discount, 20%	· · · · · · · · · · · · · · · · · · ·	Pike's Washita: Lily White, # 15
Burden's, all sizes 8.60	Lemon Squeezers—	Metals, Anti-Friction— Magnolia Metal Co.:	Pike's Washita Mounted No. 1: *
Horse Ties—	Berger Bros. % doz. 8-in. \$1.00; 10-in, \$1.40	Magnolia, Anti-Friction250	7*2
Covert Mig. Co.: Cotton	Dean's, Nos. 1, \$4 doz. \$6.50; 2, \$8.80;	No Name	6x2
Hemp	3, \$1.85; Queen, \$2.50, net Hotchkise, Straight Flush, \$\vartheta\$ doz. \$9.60	f. o. b. New York or Chicago.	4 114
Siral20#	Jennings' Star % doz. \$1.90@2.00	Melting Ladles-	3½x1. Discount, 83½&10%.
Hose, Rubber-	Porc. Lined, Iron\$8.25@\$3.50		Pika'a Washita Axa Stones:
Boston Belting Co.: "Boston"	30&10@40g	Reading50&109	Discount 2344
Competition	TT 1 0 30 No 0 00 00	Sargent's	Discount, 331/25. India Oil Stones
Extra	110. 1, 20.00, 110. 2, \$10.00.		



Packing, Steam—
BUBBER— Boston Belting Co.: "Boeton"
Extra
MISCELLANEOUS— % D American Packing 9c@10c Cotton Packing 104cc@12c Italian Packing 104cc@12c Jute 5c@54c Russian Packing 12c@134c
Padlocks— See Locks.
Parers-
Advance
Dandy each 7.50 Rureks, 1898 each 16.00 Family Bay State 12.00 Improved Bay State \$27@30.00 Little Star 4.00 New Lightning 5.7.0 Penn 8.75
New Ligntning
POTATO— W GOS.
Saratoga \$5.50 White Mountain 4.50 Pencils
Dixon's: \$ gro. Carpenter's\$3.67@8.75 Carpenter's, Blue or Red
Lead 2.18@4.88 Lumber 6.87 Mascot, Hexagon 9.78 Mascot, Round 8.10
Percussion Caps— See Ammunition
Picks and Mattocks- List Feb. 23, 1899. Railroad or Adze Eye60, 10&5@70%
Planes and Plane Irons— WOOD PLANES—
Bailey's (Stanley R. & L. Co.) \$\frac{\partial \text{Stanley R. & L. Co.}}{\partial Stanley Sta
TRON PLANES
PLANE IRONS— Auburn "Thistle" Ohio
Buck Bros
25&10@25&10&10% L. & I. J. White
Button's
Button Pattern 70% Fencing Pliers, \$\Phi\$ doz. \$19.00
Fencing Pilers, 9 doz., \$18.00. 203 Flat and Round Nose. 40% Gas Pilers, No. 100. 40% Stubb's Pat. Pilers. 50% Wire Cutter and Bender. 50% Hall's Nippers, \$ doz., No. 2, 5 in., \$18.50; No. 4, 7 in., \$21.00. 40&10
\$18.50; No. 4, 7 in., \$21.00 40&10 Hall's Pliers
18.00; 70% 70
Plow Bolts— See Bolts.
Plumbs and Levels— Cook's
Inclinometers
Disston's
Stratton's Pat
See Egg Poachers. Police Goods—

Polish Metal—
Prestoline Liquid, New List40x Prestoline Paste
% gross
1 Ib, boxes, # doz
Polish, Stove—
Dixon's Plumbago
Round or square, \$\psi \doz. \$\psi \gro. 1 \text{qt} \text{85} 9.50 \\ 2 \text{1.15} 10.50 \\ Quincy Corn Popper, 1 qt., \$\psi \doz. \$83.65\$
2 qt
Post Hole Diggers— * doz.
Disston's Samson Digger\$34.00, 255 Iwan's Split Handle, ₹ doz. net\$8.50 Iwan's Perfection, ₹ doz. net\$9.00 Ryan's ₹ doz. \$20.00, 255
Post Hole Augers— Iwan's Patent Improved40% Vaughan's, 6 to 9 in., ₩ doz. net\$6.00
Potato Hooks, etc.— Hoe Down Hooks
Hop Hooks
See Ammunition. Presses—
See Fruit and Jelly Presses.
Primers— See Ammunition.
Pruning Hooks and Shears—Cronk's Pruning Shears—883/45
Cronk's Pruning Shears
Pruning Shears 508.5%
Grape
m. p. ros e co. s Liming 10018402
Waters' Tree Pruners
Grape
Pulleys— &wning
Pulleys— &wning
Pulleys— Awning
Pulleys— Awning
Pulleys— Awning
Pulleys— Awning
Pulleys— Awning
Pulleys— Awning

No. 128, Fig. 510, 8 in. Lift
Dump 7 00
No. 181, Fig. 510, 814 in. Lift Pump. 8.59
Pump
No 285 Fig. 408. Windmill
Fump 10 00
Pump 28.00
No. 265, Fig. 572, Cyclone Tank Force Pump
No. 267, Fig. 483, Geyser Tank
No. 240, Fig. 406, Regulator Pump
Tank Force Pump 16.00
No. 302, Fig. 477, Spray Pump, complete
No. 320, Fig. 492, Bucket Spray Pump
No. 880, Fig. 547, Knapeack
Spray Pump
Punches—
Bemis & Call Co.'s:
Cast Steel Drive
Check .55% Spring .50&5% Springfield Socket .65%
Springfield Socket65%
Morrill's Universal
Niagara Hollow 45% Niagara Solid 55% Saddlers' or Drive, good. 60%65% Snell's Tinners' 50% Spring, goed quality, \$\partial \text{doz., \$1.70@1.80} Spring, Leach's Pat. 15% Tinners' Solid, P. S. & W. Co., \$\partial \text{30} doz., \$1.44.55\$
Snell's Tinners'50%
Spring, good quality, \$\pi \doz., \$1.70@1.80
Tinners' Solid, P. S. & W. Co.,
₩ doz
400c47i
Rail— Rarn Door Light In 14 54 84
Barn Door, Light, In. 14 56 34 \$\pi\$ 100 feet\$1.40 1.95 3.60 Barn Door, "None Better" No. 1.95 Barn Door, "None Better" No. 2,
Barn Door, "None Better" No. 1,
Barn Door, "None Better" No. 2,
罗 foot
Foot
Carrier Steel Rail, 39 foot
O. N. T. Style, No. 18 8 c Double Braced
Double Braced
O. N. T., 1¼ in 8.50
Standard, 1½ in
Sliding Door, Bronzed Wrought
Sliding Door, Steel, Brass Plated.
% foot
15, 86c
₩ h, 86c
Bakes, Etc.—
Cronk's:
Wrought Steel Garden 60 & 20 % Queen City Lawn 40 %
Steel Garden Rakes70&5&2%
Queen City Lawn 40% Steel Garden Rakes 70%5%% Steel Roaden Rakes Stamped Blank 70% Steel Road Rakes 65% Steel Tar or Asphalt Rakes 5%
Steel Tar or Asphalt Rakes
Turf Edger
Peerless Snank
Level Head Shank70&5&2%
Rasps, Horse—
Disston's
See also Files.
Razors-
ElectricList net
"John Engstrom"net prices
Electric
Westenholm and Butcher, \$10.00 to
Registers and Ventilators—
HOT AIR-
HOT AIR— New List, Sept. 2, 1901: Black Japanned
White Japanned
Bronzed Finishes60&10&5@70%
Nickel Plated 60&10&6@70%
Electro-Plated 60 & 10 & 50 @ 70 % Nickel Plated 60 & 50 & 10 & 50 @ 70 % White Porcelain 60 % Solid Brass and Bronze Metal 50 %
Rings— See Bull and Hog Rings.
Rivets and Burrs—
Belt with Burrs 40&10@50\$
Hose with Burrs
IBON
List, Nov. 1, 1894. Ordinary, in bulk
Thousand, in bulk
Coopers', in bulk
Block and Carriage, in papers.
Hame
Hame
Rivet Sets-
Regular List
Rollers-
Lane's, Stay

Rope— Cotton Rope, Best, # 15 14 inch and larger1314@14c
Cotton Rope, Best, \$\frac{1}{2}\$ inch and larger
A grade 614 6 Manila: 7-16 in, and larger 18
36 in
Sieal: 7-16 in. and larger 914 34 in 934 14 and 5-16 in 1014
Rules— 831/4 Athol, Steel 80@60&10 Boxwood 60@60&10 Ivory 85&10@85&10&10
Lurkin's: Steel 50&10
Miscellaneous, Stanley's
Sad Irons— Chinese Laundry
COLD HANDLED— Enterprise Mfg. Co. of Pa 80&5;
Safety Fuse— See Fuse. Safety Lifts—
Burr Mfg. Co., Steel
Cloth— Baeder, Adamson & Co.'s: List. Emery Cloth
Baeder, Adamson & Co.'s: List.
Caldwell Mfg. Co503 Sash Chain—
Competition 50&10 Giant 40 Monarch 40&10 Red Metal 40&10 Steel 40&10
Red Metal
Cable Laid Italian \$\ \mathbf{b}\$ 16@18c Cable Laid Russia \$\ \mathbf{b}\$ 1814@14c Common India \$\ \mathbf{b}\$ 192 @18c Patent Russia \$\ \mathbf{b}\$ 192 @18c Patent India \$\ \mathbf{b}\$ 1014@12c Sameon \$\ \mathbf{c}\$ 2014@12c Sameon \$\ \mathbf{c}\$ 2014&12c Sameon \$\ \mathbf{c}\$ 2014&12c Sameon \$\ \mathbf{c}\$ 2014&12c Sameon \$\ \mathbf{c}\$
Patent Russia
Samson: "Mass." White, Cotton2214@24e "Samson" Braided White, Cotton \$\\$\text{b}\\$\\$2346@35c "Samson" Braided Drab, Cotton \$\text{b}\\$\\$2146@35c "Samson" Braided Italian Hemp \$\text{b}\\$\\$2246@35c Silver Lake:
₩ b 33¼@85c "Samson" Braided Italian Hemp ₩ b 32¼@85c
"Samson" Braided Linen # B.50@55c Silver Lake:
A Quality, Drab
B Quality % fb 1814c C Quality % fb 1714c White Cotton, Hard Braided % fb 18c
Sash Fasteners, Holders, &c.
Sash Lifts 60&10&10 Sash Lifts Flush 50 Sash Lifts With Lock 00&10&10 Sash Rollers 70 70 Shutter Bars 00&10@70
Sash Lifts With Lock 60&10&10% Sash Rollers 70% Shutter Bars 60&10@70% Shutter Sheaves 60% Window Screen Sash Lifts 66% Sash Locks 66%
Champion Meeting Rail
Elting's Ventilating 40% Fitch's: Iron. 70%
Iron
Vee' Patent: Wrought Steel
Payson's Perfect 70% Reading 60&10%
Sash Weights— Small lots
Sausage Stuffers or Fillers— Draw Cut, No. 4each \$80.00, 20% Enterprise Mfg. Co
Saws-
Atkins: Band 7 to 14 in. Wide
Butcher, Pruning and Compass, 40&5% Circular



02	IIAID	VAILE	
Diseton's:	Screw Drivers—	Stowell's Anti-Friction	Holmes & Edwards50&10&10% German Silver, unplated50%
Circular, Solid and Inserted Tooth.50% Band 8 in. to 14 in. Wide60%	Brace Screw Drivers25&10&5% Buck Bros	Patent Roller	ENIVES AND FORES NO. 12-
Band 1/2 in. to 21/2 in	Screw-Driver Bits 27365	Russell's Anti-Friction, list Decem-	% doz. net. "1847"\$3.50
Narrow Cross Cuts	Champion	ber 18, 1885	"Anchor" 8.25
Framed Wood Saws85%	Electric Spiral No. 02 . \$6.00 net Electric Spiral No. 02 . \$6.00 net	Reading list	" Eagle"
Wood Saw Blades	Electric Spiral No. 02 . 3 doz. 5.00 net Elirioh's Socket and Ratchet40&10%	R. & E. Mfg. Co.'s 60@60&10% Sargent's list	Rogers & Hamilton
Hand Saws, Nos. 12, 99, 9, 16, D100, D8, 120, 76, 77, 8	Bilrioh's Socket and Ratchet 40&10% Fray's Hol. Hdle. Sets. No. 3 \$12, 50% Howard-Allard A1 \$00z \$9.00 net	Shells—	Holmes & Edwards 8.09
0, 00, Combination 80%	C. E. Jennings & Co	See Ammunition.	Springs— See Door Springs.
Compass, Keyhole, Pruning, Dove-	Jennings & Griffin 66%	Shot— See Ammunition.	Spring Balances—
tail, &c	Jones Reversible Spiral No. 1, \$\pi\$ doz. \$18.50 net; No. 2 \$\pi\$ doz\$12.00	Shovels and Spades-	See Balances.
C. E. Jennings & Co.'s:	Sargent & Co.'s: No. 1 Forg. Blade50&10@50&10&5%	Association prices to small trade.	Spring Hinges-
Butcher	Nos. 20 and 40	No. 2, Polished, Square or Round Point, D or L Handle:	See Hinges.
Peace: 25@80%	Stanley R. & L. Co.'s: No. 64, Varnished Handles60&10%	1st Grade. 2d Grade	Squares—
Cross Cuts	No. 86	Strap Back 9.90 9.00	Disston's Try Square and T Bevels,
Richardson: Circular and Mill50@50&10%	Tower & Lyon: Champion40%	Cleveland Pattern. 10.20 9.80 C8, D4,	Starrett's Micrometer Caliper Squares,
X Cuts	Magazine 25% Machinists' 40%	8d Grade. 4th Grade Plain Back \$8.70 \$8.10	Try Square and T Bevel60&10
Star, Butcher	Balsley's Patent	Strap Back	@60&10&10g Winterbottom's Try and Mitre40&10g
45&10%	Williamson's: Beauty, ₩ doz\$1.00 } Gem, ₩ dos90c }	All other sizes, add 80c. dos.	Nickel-Plated. New List Jan. 5, 1900,
HACK SAWS AND FRAMES— Chatilion	Gem, % dos90c } C. T. Williamson Wire Novelty Co40s	Black, deduct 80c. doz.	Steel and Iron
Disston's: Concave Blades25%	Screws-	Shovels and Tongs— Brass Head	Staples—
Keystone, Flexible Back and Ma-	WOOD SCREWS-	Iron Head	Barbed Blind—14, 54, and 34 inch.
chine Blades	List, January 1, 1900. Brass, Flat Head	Shutter Bars— Ives'45%	FENCE— Same price as Barb Wire. See Trade
Griffin's: Complete40@45\$	Brass, Round Head8214@85% Bronze, Flat Head75@80%	Shutter Bolts—	Report.
Saw Blades 40% Star, Saws and Blades 25%	Bronze, Round Head 7214@77145 Drive Screws, Diamond Point.8714@90%	See Bolts, Shutter.	Stay Rollers—
Saw Filer—	Iron, Bright Flat Head8714@90% Iron, Bright Round and Oval Head	Sifters, Flour—	Cronk's, No. 50
Disston's D8 Clamp and Guide, \$30.00	85@87 36 \$	Hunter's Genuine gross, \$10@\$11.50	" Nos. 55 and 5670&10s " No. 60
₩ dqz	Nickel Plated, Iron Flat Head 75@80% Nickel Plated, Iron Round Head. 75@80%	Skate Sharpeners—	" No. 65
Saw Frames—	MACHINE-	Eureka \$\pi\$ dos. \$1.75; \$\pi\$ gro. \$18.00	Steels— Chatilion's
C. R. Jennings & Co	List, January 1, 1898. Brass, Flat Head	Slaw and Kraut Cutters—	Stocks and Dies.
Saw Sets-	Brass, Round Head	Disston's: Slaw, Vegetable, Corn Grater, Tur-	BICYCLE—
Atkins:	Iron, Round Head50%	nip Shredder	Holroyd & Co
Criterion Saw Sets # doz. \$6.00 Excelsior Saw Tools # doz. 6.00	G. P. Coach. List, Feb. 14, 1895,	Weant Chtters MXIX 4UXIX 409	Butterfield's
Bemis & Call Co.'s: Cross Cut80&5%	75&10% Hand Rail60&10%	Enterprise. 25@30% Enterprise Mfg. Co. 25% Tucker & Dorsey:	Gardner
Hammer, New Pat	Lag Screws. List, January 80, 1895. Cone Point	1 Knife #8 gro. \$16.50@\$20.00	Lightning Screw Plate
Spring Hammer80&5%	PENCH HAND PEC-	2 Knives 9 gro. 22.50@ 80.00 Kraut Cutters	PIPE MAKERS-
Disston's Monarch, Nos. 1 & 10 and Star	Bench, Iron, # doz., 1 in., \$3.25; 1½, \$3.50; 1½, \$4.25 Bench, Wood, Beech# doz. 2.40	Woodrough & McParlin40%	Holroyd & Co
Hart's Pat. Lever	Bench, Wood, Besch 9 dos. 2.40	Sledges and Heavy Hammers-	Stones— See Oilstones.
"Giant Royal" % doz. \$9.00 "Royal" % doz. 6.08	Chair	See Hammers.	Stops-
Leach's	Jack Screws, Millers Falls, Roller Bearing 50%	Slicers— Vegetable, Enterprise 25%	See Bench Stops.
No. 1, \$15.00; No. 10, \$15.50; No. 11,	Jack Screws, Millers Falls, without Roller Bearing	Smiths' Bellows—	Store Door Handles-
Cross Cuts Nos. 8 and 4, \$28.00; No.	Jack Screws, P. S. & W40@40&10% Jack Screws, Sargent's60%	See Bellows.	See Handles.
5, \$81.00	Piane Stool50&10%	Snaps, Harness, &c.—	Store Ladders—
Seymour Smith & Son, Hammer \$4.75 Stillmans\$4.75	Seroil Saws—	Anchor (T. & S. Mfg. Co.)	Myers' Noiseless
Stillmans	Barnes' No. 1, \$8; No. 6, \$10; No. 7, \$15	Fitch's: Bolt	Stove Bolts—
-	Cricket10&10%	Bristol	See Boits.
Scales— Chatillon's:	C. E. Jennings & Co	Clipper	Stove Polish—
Bureka. 25g Favorite 40g	Rogers, complete, \$4.0015&10	National	See Polish, Stove.
Grocers' Trip Scales50%	Scythes, Grass— \$ doz.	Security	Sweepers-
Family, Turnbull's80@80&10% Hatch:	Natural Finish	German, new list40%	See Carpet Sweepers.
Counter, No. 171. dos. \$17.00@\$18.00 Tea, No. 161 doz. 5.75@ 6.00	Painted or Bronzed 8.00 Weed and Bush 7.25@ 7.50	Darkout of an and an analysis	Tackle Blocks— See Blocks.
Tea, No. 161	Seeders-	Covert Mfg. Co.:	Tacks, Brads, &c.
Scale Beams-	Raisin, Enterprise25@309		List Jan. 15, 1899.
Chatillon's No. 1	Shears—	Double for Bits or Trace Carrier 45% Trojan Snaps	American Cut Tacks
Chatillon's No.280%	Acme (Cast)	High Grade Snaps	Carpet Tacks:
Scrapers, &c.—	Ætna, Steel Nickeled	Dorby Spans	אוו שוו שלו מווע אוויים האחתונים האחרונים האחרונים אוויים
Adjustable Box Seraper (S. R. & L. Co.) \$6.0040&10%	Carrier Cutlery Co .	Nobe	8 wedes Iron Tacks. S. 8
Co.) \$6.00	N. P. Bent Trimmers	gamba 40@45¢	8. 8
Box, 9 Handle \$\forall doz. \$8.00@4.00 Foot		Soldering Irons—	Common and Patent Brads70&105
Ship, R. I. Tool Co10%	St. Trimmers, etc60&10@60&10&10	Covert Mfg. Co20%	Gimp Tacks:
SIDEWALK—	Tailors' Shears40	Spoke Shaves—	8. S
Kohler's, Steel No. 7 doz. \$3.00	Pruning. See Pr'ning Hooks & Shears.	Iron # doz. 50&107	8. 8
Screens— poor—	Japanned		Looking Glass Tacks 70&10% Trimmers' Tacks:
Philling: \$2 dog.	Nickeled 60 Standard Cutlery Co.: Japanned 70&10	mer T. L	8 8
% in., Style E, Fancy Screen Doors\$10.00	Nickeled	Wood, 2d quality83/29	Steel, Black
16-in., Style G, Common Screen	Star Brand:	Spoons and Forks—	Steel, Tinned
%-in., Style K, Fancy Screen	Nickel Shears60	Boardman's:	8, 8
Doors 8.00	Tailors' Shears40&10	net, Lis	Donnie Loure in governe
Doors	Pruners	net, Lis	Double rolli, in bulk
WINDOW— Porter Screen Mfg. Co60@60&54	Shears, Hedge—	L. Boardman & Son. Catalogue "C"	Matting
Phillips:	WILL WINKINGOU OF SOURCE	% net lis	Shade, in bulk
Bonanza Screens	BILGAVES-	"Anchor"	Tack Pullers
Flyer	Corbin's list	* Star '	Columbia, No. 1, \$\pi\$ doz., net\$1.00 Columbia, No. 2, \$\pi\$ doz., net 1.30 Little Jack \$\pi\$ doz., 1.00
Northwest	Hatfield's Pattern70&10@80	Rogers, Smith & Co	Little Jack dos., 1.00
WINDOW DOIGHT FIRMICS	• ·· • • • • • • • • • • • • • • • • •	-	



Tapes, Measuring-	Shaw's:
American Asses' Skin 40&10@80s	Copper Fi
Leather Case 98/095/8-10st	Lever
Steel	Traps-
Keuffel & Esser Co., New List, 1898:	PLY—
Steel and Metallic	Balloon
Tap Borers-	Harper
See Borers, Tap.	GAMB-
	Star, Blake's Enterprise I
Taps— American Screw Co.:	H. & N
Machine Screw70%	Newhouse
Holroyd & Co.'s:	MOUSE
Blacksmiths	Hotchkiss:
Machinists' Hand60@60&10&10%	Hotchkiss: Metallic M
Pipe, 16 to 114	Improved New Rat.
Thumb Latches—	Mouse, Rou
See Handles.	Mouse, Woo
Tinware-	Marty Frenc
Stamped, Japanned and Pieced,	No. 1. Rat
Net Prices.	No. 8, Rat
Tire Bolts—	(Genuine): No. 1, Rat No. 8, Rat of 50 No. 834, R
See Bolts.	
Tobacco Cutters-	No. 4, Mou
National Specialty Co40% Enterprise Mfg. Co25@80%	No. 4, Mou of 72 No. 5, M
Exiterprise Mfg. Co25@30%	Case of 1
Toilet Clippers-	Schuyler Ra \$15.00; N Mouse, No Smith & Egg Superior I Yankee M
See Clippers.	Mouse, No
Trammel Points-	Superior I
Backus and Union. 40% C. B. Jennings & Co., "Eureka". 25% Cook's 25% Sargent's 40&10% Stanley's 80&10%	Yankee M
C. R. Jennings & Co., "Eureka"25%	1
Sargent's	Trowels-
Stanley's80&10%	Brade's Bric Disston's:
Tower & Lyon	Brick and
	Plastering "Standard
Tracks, &c.—	C. E. Jennin
F. E. Myers & Bro.: Comb. Car, Double Steel T\$8.50	Brick
Comb. Car, Wood Track 8.25	Plastering Pointing
F. E. Myers & Bro.: Comb. Car, Double Steel T\$3.50 Comb. Car, Wood Track 3.25 Common 6 in. Wood Sheave Pulley, Fig. 455	W. & McP.
D. H. Pork. Steel Regular each, .85	Peace's Plas "Rose" Bric
	ет#
with clamps	Vegetabl
Fig 485 29 dos. 2.15	Enterprise M
Faultless Steel Frame 6 in. Plain	Vises-
Fanitiess Steel Frame 6 in Plain Pulley, Fig. 485	
Floor Pulley, Wood Sheave, Fig.	Solid Box Columbian F Fisher-Norri
486 # GOE. 3.35 Hanging Hooks for Donble Steel	Armstrong's
Track	Combination
Track	Plain and I Athol, Oval
Track	Bonney's Ch
Hanging Hooks for Wood Track.	Athol, Oval & Bonney's Ch Fisher & No Holland's
14 in	Howard's Little Giant
Fig. 676	Little Giant Lowell Hand
Malleable Rafter Brackets, # dos40	Massey:
New Myers Iron Rod Car 2 OK	Perfect
Reed Wood Frame Pulley with	Clincher Wood-Wo
Hook, Fig. 484	Planer
Rev. Car., Wood Track 8.25	Planer Comb. Pip Miliers Falls
Rope Hitch # doz. 1.75 Single Reil Car Single Steel T 8 50	Mechanics
Single Rail Steel Track with	Oval Slide Ball Clamp
Sprout's Shear Fork each \$1.60	Gravity Hand
Steel Frame Pulley with Iron	Moore's
Hanging Hooks for Wood Track. 10 in	Phenix Prentiss
Track 6.00	Sargent's
Track 6.00 Walker Fork, each 1.25 Wrought Rafter Brackets.	Simpson's A Stephens
	Trenton
Transom Lifters—	Wright's Pip
Ajax	Bonney's No.
50@50&10%	Cincinnati
Crescent 70(a)702c10g	Stearns Com
Dickson's	Stearns Rubi
Payson's Solid Grip, Nos. 808 and	Wentworth's
804, 9 100	** ATT MOLETIE

Shaw's: Copper Finished
Traps— FLY—
Balloon
GAME— Star, Blake's Pattern
H. & N
Newhouse
MOUSE AND RAT— Hotchkies; Metallic Mouse
New Rat
Marty French Rat and Mouse Traps
(Genuine): No. 1, Rat, each \$1.18, \$1 doz\$12.00 No. 8, Rat, \$1 doz., \$6.00; case
No. 914 Pet 20 dog \$4.75 case
of 73
of 72
Case of 150 2.25 Schuyler Rat Killer, No. 1, ♥ gro.,
\$15.00; No. 2, \$ gronet \$15.00 Mouse, No. 8net 9.00
Smith & Egge Mfg. Co.: \$\ \text{dos.} \\ Superior Rat Trap\\$15.00
No. 5, Mouse, \$\pi\$ dox., \$2.75; case of 150
Trowels— Brade's Brick80%
Disston's: Brick and Pointing
Plastering20%
C. E. Jennings & Co.: Brick
Plastering
"Standard Brand" and Garden 40% C. E. Jennings & Co.: Brick
** Rose ** Brick, Plastering and Mould- ers
Vegetable Slicers— Enterprise Mfg. Co
Vises-
Solid Box .40&10@50% Columbian Hdw. Co. .40% Fisher-Norris .15&10%
Fisher-Norris 15&10%
Armstrong's:
Armstrong's:
Armstrong's: Combination
Armstrong's: Combination 50s Plain and Hinge 60s Athol, Oval Slide 40s Bonney's Champion 40s Fisher & Norris Double Screw 15&10s Howard's 40s Little Glant Bench 25&10s Little Glant Bench 25&10s Massey: Perfect 15@20s Clincher 50@40s Wood-Working 15@40s Comb. Pipe 40s Millers Falls: Mechanics' net@10s Oval Slide 50&10s Ball Clamp 45s Gravity net Hand 15s
Armstrong's: Combination

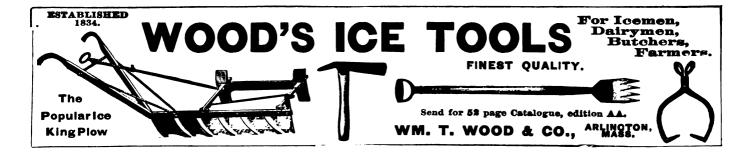
	Wads— See Ammunition.
	Wagon Jacks—
2	Covert Mfg. Co.'s, Steel
)	Washer Cutters—
)	Otis A. Smith's
	Well Wheels-
<u>.</u>	Japanned, 8 to 14 inches
6	Weed Extractors— "Pastime" doz. \$1.75 net
	Window Cleaners-
ί ί	Barnes Mfg. Co
	Window Stop Adjusters-
:	Ives' New List
)	Wire Gauges—
5	See Gauges.
,	Wire and Wire Goods—
,	Brass Wire
	Cast Steel Wire
j	Annealed and Tinned on Spools70
)	Brass and Copper on Spools
	Market Wire, Bright and Annealed:
	Nos. 10 to 18
)	Nos. 6 to 9. 70&10x Nos. 10 to 18. 72½&55 Nos. 19 to 26. 75&7½ Nos. 27 to 36. 75&10&2½%
	Coppered and Galvanized:
•	Nos. 10 to 18
	Nos. 6 to 9
•	Nos. 6 to 14
£	Nos. 27 to 36
•	Steel Music Wire, Nos. 12 to 30, Im-
6	Steel Music Wire, Nos. 12 to 30, Imported
•	
5	PAINTS, OILS

See Lines.	
Wire Cloth, Netting, &c	
Galvanized Wire Netting 80 & 10@80 & 20; Painted Screen Cloth, good quality, \$\pi\$ 100 sq. ft. \$1.00@1.10	
Wire Rope-	
New List July 1, 1899. Cast Steel	K
Wire Rope Clips— Crosby	5
Wire Stretchers— W. C. Heller's Grip * doz. \$1.5	0
Wrenches—	
Agricultural	5
Bemis & Call's:	•
Briggs Pattern. 30&10 No. 2 Cylinder. 55 No. 3 Pipe, Bright. 50 Patent Combination Black. 40&5 Patent Combination Bright. 40	1
Bicycle:	•
Club	į
Coes':	
Genuine	
Donohue's Engineer	
Taylor Pipe and Nut409	6
Acine	6
J. H. Williams & Co	š

Wire Clothes Lines-

PAINTS, OILS AND COLORS.

Oile—	Spirits Turpentine
Linseed, City, Raw, in barrels, # gal. 68c	In regular bbls88 @8814e
Linseed, City, Boiled, in barrels,	In machine bbls8814@89 •
₩ gal. 65c	Dry Colors—
Out of Town on Spot ≱ gal. 58c	7 h
Calcutta, Raw, in barrels ≇ gal. 85c	Blue, Chinese
Lard, Prime City ₽ gal. 80@81c	Blue, Prussian
Extra, No. 1 54@55c	Blue, Ultramarine 6 @30 e
No. 147@48c	Sienna, Italian, burnt & powdered
Paints and Colors-	Sienna, Italian, raw &
Barytes, Foreign Floated, 9 ton,	powdered 8 @ 7 e
\$20.00@\$21.00	Umber, Turkey, burnt 214@ 8140
Barytes, American Floated, # ton,	Umber, Turkey, raw 334@ 834c
\$19.00@\$\$0.00	Green, Chrome, Ordinary 5 @ 7 e
•	
Barytes, Crude \$\psi\$ ton 9.00@ 10.00	Green, Paris, in bulk15 @16 €
White Lead, American, Dry, in bbls.	Indian Red, American 234@ 8
₩ D. 6@6¼°	Indian Red, English 414@ 814e
White Lead, American, in Oil, in lots	Colors in Oil-
of less than 500 lbs	Black Lampblack, best, 18 @15 e
In lots of 500 hs. and over? h. 614c	Black Lampblack, common 8 @10
White Lead, English, in Oil. # b. 9@914c	Blue, Chinese
Litharge, Kegs \$ 15.61/2@7c	
Zinc, American, Dry \$ 15. 41/2@5c	Blue, Prussian
Putty—	Sienna, burnt
In bulk	Sienna, raw
In bladders 2.40	Umber, burnt
In cans, 50 fb 2.00	Umber, raw
In cans, 25 fb 2.25	Brown, Vandyke
in cans, 1214 b 2.50	Diown, vandjac Wio C



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Harper Syndicate, Columbus, O.

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N. J.

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Ames Sword Co., Chicopes, Mass.

Bench Punches. Chandler & Farquhar, Boston.

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Bench Stops. Charles Morrill, New York.

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Russell Jennings Mfg. Co., Deep
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Hobart B. Ives & Co., New Haven,
Conn.

Conn. Sargent & Co., New York.

Bungs.
John Sommer's Son, Newark, N. J.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.
Goodell Co., Antrim, N. H.
Silver Mfg. Co., Salem, Ohio.

Butchers' Scales.

John Chatillon & Sons, New York.

Osgood Scale Co., Binghamton, N. Y.

Butts, Door.

Bommer Bros., Brooklyn, N. Y.

McKinney Mfg. Co., Allegheny, Pa.

Sargent & Co., New York.

Butts, Spring.
Bommer Bros., Brooklyn, N. Y.
Niles Mfg. Co., Chicago.
Sargent & Co., New York.

Cabinets, Bolt.
J. D. Warren Mfg. Co., Chicago, Ill.

Cabinets. Hardware.
J. D. Warren Mfg. Co., Chicago, Ill.

Calipers.
Alfred Field & Co., New York.
C. E. Jennings & Co., New York.
J. Stevens Arms and Tool Co., Chicopee Falls, Mass.

Oan Openers.
John H. Graham & Co., New York.
Chas. F. Hopper, Germantown, Pa.
Sargent & Co., New York.

Carpet Sweepers.
National Sweeper Co., Marion, Ind.

Car Sealers. Charles Morrill, New York.

Carpenters' Pencils.
Joseph Dixon Crucible Co., Jersey
City, N. J.

Carriage Makers' Tools. Silver Mfg. Co., Salem, Ohio. Carriers, Hay. F. E. Myers & Bro., Ashland, Ohio.

Casement Fast. Columbus Sash Ribbon Co., Columbus, O.

Cash Registers. Standard Cash Register Co., Wabash, Ind.

Cash Register Paper. Standard Cash Register Co., Wabash, 1nd.

Casters, Bed and Plate. Sargent & Co., New York. Standard Caster & Wheel Co., New York, N. Y.

Catalogue Cabinets.
Miller Catalogue Cabinet Co., 89 & 41
Cortlandt St., New York and Alma
Centre, Wis.

Catalogue Case.
J. D. Warren Mfg. Co., Chicago, Ill.

Caulking Mallets. N. Y. Mallet & Handle Works, New York, N. Y.

Cement, Rubber and Leather. Tower & Lyon, New York.

Chains.
Covert Mfg. Co., West Troy, N. Y.
Fuller Bros., New York.

Chains, Cow.
Covert Mfg. Co., West Troy, N. Y.

Chains, Sash. Smith & Egge Mfg. Co., Bridgeport, Conn.

Chain Blocks.
Burr Mfg. Co., Cleveland, O.
Chalk Lines.
Samson Cordage Works, Boston,
Mass.

Checks, Brass-Schwerdtle Stamp Co., Bridgeport, Conn.

Cherry Stoners.
Enterprise Mfg. Co. of Pa., Philadelphia.
Goodell & Co., Antrim, N. H.

Goodell & Co., Antrim, N. H.
Chimney Tops.
Powers Bros., Streator, Ill.
Chisels, Firmer.
Alfred Field & Co., New York.
C. E. Jennings & Co., New York.
Sargent & Co., New York.
Tower & Lyon, New York.

Chucks. North Bros. Mfg. Co., Phila., Pa. Smith & Egge Mfg. Co., Bridgeport, Conn.

Cleavers.
John Chatillon & Sons, New York.
Goodell Company, Antrim, N. H.
Clippers, Finger Nail.
H. C. Cook Co., Ansonia, Conn.

Olippers, Horse and Barbers'. American Shearer Mfg. Co., Nashua, N. H. Coates Clipper Mfg. Co., Worcester,

n. Clipper Mfg. Co., Worcester, Mass. Alfred Field & Co., New York. John H. Graham & Co., New York.

Clippers, Nail. H. C. Cook Co., Ansonia, Conn.

Closet Pulls.
Smith & Egge Mfg. Co., Bridgeport,
Conn.

Conn.
Clothes Bars.
A. J. Phillips Co., Fenton, Mich.
Udell Works, Indianapolis, Ind.

Clothes Lines.
Samson Cordage Works, Boston,
Mass.

Coal Screens.
Gilbert & Bennett Mfg. Co., New
York, Chicago.

York, Chicago.

Coaster Brakes.

Relipse Mfg. Co., Elmira, N. Y.

New Departure Bell Co., Bristol,
Conn.

Coat, Hat and Ceiling Hooks.

Atlas Mfg. Co., New Haven, Conn.

Brass Goods Mfg. Co., Brooklyn, N. Y.
John H. Graham & Co., New York.

Sargent & Co., New York.

Coke Forks. Geneva Teol Co., Geneva, O.

Conductor Pipe.
American Steel Roofing Co., Middletown, Ohio. Brace & Cook, New York.

Contractors' Plews.

Byracuse Chilled Plow Co., Syracuse,
N. Y.

N. 1. Copper, Sheet. Bruce & Cook, New York. Cordage and Twines. Samson Cordage Works, Boston.

Cork Pullers.
Enterprise Mfg. Co. of Pa., Philadelphia.
Erie Specialty Co., Erie, Pa.

Corksorews. Aifred Field & Co., New York. Eric Specialty Co., Eric, Ps. Williamson W. N. Co., Newark, N. J. Corn Hooks. Geneva Tool Co., Geneva, O.

Corn Planters.
J. E. Porter Co., Ottawa, Ill. Counterfeit Detectors.
Pelouze Scale & Mfg. Co., Chicago. Counters, Hardware. J. D. Warren Mfg. Co., Chicago, Ill.

Counters, Nail Bin.
J. D. Warren Mfg. Co., Chicago, Ill.

Countersinks.
C. E. Jennings & Co., New York. Cover Lifters, Stove. Troy Nickel Works, Albany, N. Y.

Crayons.

Joseph Dixon Crucible Co., Jersey
City, N. J. Curled Hair.

Baeder, Adamson & Co., New York,
Philadelphia, Boston and Chicago.

Curry Combs. W. & E. T. Fitch Co., New Haven.

John H. Graham & Co., New York.

Cutlery, Pocket.
John Chatillon & Sons, New York.
Jackson Knife & Shear Co.,
Fremont, O.
Jos. Rodgers & Sons, Sheffield, Eng.
Voigt, Starr & Co., New York.
Cutlery, Table.
Alfred Field & Co., New York.
Goodell Co., Antrim, N. H.
Jos. Rodgers & Sons, Sheffield, England.

Cut-Offs. Cooney & Geiger, Indianapolis, Ind.

Cutters, Fodder. Silver Mfg. Co., Salem, Ohio. Cutters, Rod. Chandler & Farqahar, Boston.

Cutters, Wire.
Bridgeport Mfg. Co., Bridgeport,
Conn.

Cutting Pliers.
Bridgeport Mfg. Co., Bridgeport,
Conn.
Cronk & Carrier Mfg. Co., Elmirs,
N. Y.
Charles Morrill, New York.

Dairy Scales.
Osgood Scale Co., Binghamton, N.Y. Dehorners. H. H. Brown Mfg. Co., Decatur, Ill.

Diamonds.
Barrios Diamond Co., New York.

Dies, Steel, Schwerdie Stamp Co., Bridgeport, Conn. Discount Books.
Hardware Publishing Co., New York.

naruware rubishing Co., New York.
Dog Collars and Muszles.
Alfred Field & Co., New York.
Tower & Lyon, New York.
Union Hardware Co., Torringten,
Conn.

Door Checks and Springs.
Jos. Bardsley, New York.
Ogden Mfg. Co., Newark, N. J.
Henry Pearl & Sons, New York.
Sargent & Co., New York.

Door Holders.
Caldwell Mfg. Co., Rochester, N. Y.
Henry Pearl & Sons, New York. Door Springs. Sargent & Co., New York.

Dormant Scales.
Osgood Scale Co., Binghamton, N.Y. Drawers, Hardware.
J. D. Warren Mfg. Co., Chicago, Iil.

Drawing Instruments.
C. B. Jennings & Co., New York.
Kenfiel & Esser Co., New York.
Sargent & Co., New York.

Drawing Knives. Tower & Lyon, New York.

Drills, Bench. Chandler & Farquhar, Boston, Mass. Silver Mfg. Co., Salem, Ohio. (See Twist Drills.)

Drilling Attachments.
Silver Mfg. Co., Salem, Ohio.
Drillis, Blacksmiths', Etc.
Sargent & Co., New York.
Silver Mfg. Co., Salem, Ohio.

Drill Presses.
Silver Mfg. Co., Salem, Ohio.

Dumb Waiters.
Kimball Bros. Co., Council Bluffs,

Dustless Floor Brushes. Milwankee Dustless Brush Co., Milwankee, Wis.

Electric Bells and Supplies.
John H. Graham & Co., New York.



Elevator Enclosures and Cars.
J. E. Bolles Iron and Wire Works,
Detroit, Mich.

Elevators Kimball Bros. Co., Council Bluffs,

Emery and Garnet Paper. Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Enameled Bath Tubs. Colwell Lead Co., New York.

Engravers.
Standard Engraving Co., New York. Ensilage Cutters. Silver Mfg. Co., Salem, Ohio.

Envelope and Stamp Lubrica-

Pelouze Scale & Mfg. Co., Chicago. Escutcheons and Push Plates.
Brass Goods Mfg. Co., Brooklyn, N.Y.
Sargent & Co., New York.
Expansion Bolts.
D. C. Seaman & Co., Philadelphia.

Export Agents.
John H. Graham & Co., New York.

Farming Tools.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Iowa.

Faucets, Metal.
John H. Graham & Co., New York.

Faucets, Wood.
John Sommer's Son, Newark, N. J.

John Sommer's Son, Newark, N. J.

Fences, Wire and Iron.
W. J. Adam, Joliet, Ill.
J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Clinton Wire Cloth Co., Clinton, Mass.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland,
Ohio.

Field Mass.

Field Hoes. Geneva Tool Co., Geneva, O.

Files.
G. & H. Barnett Co., Philadelphia.
Alfred Field & Co., New York.
Mayer & Co., Philadelphia, Pa.
Nicholson File Co., Providence, R. I.

Filters.
Champion Safety Lock Co., Cleveland, O.
Fulper Pottery Co., Flemington, N.J.

Furper Fottery Co., Flemington, N.S.
Fire Arms.
Alfred Field & Co., New York.
Harrington & Richardson Arms Co.,
Worcester, Mass.
Remington Arms Co., New York.
J. Stevens Arms & Tool Co., Chicopee
Falls, Mass.

Fishing Floats.
Enterprise Mfg. Co., Akron, Ohio.
J. M. Mast Mfg. Co., Lancaster, Pa.

Fishing Tackle. Enterprise Mfg. Co., Akron, O.

Flat Ware. See Plated Ware.

Floor Plates.
Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

Flower Pot Stands.
Gilbert & Bennett Mfg. Co., New
York and Chicago.

odder Cutters. Silver Mfg. Co., Salem, Ohio.

Food Choppers. Enterprise Mfg. Co. of Pa., Phila., Pa. Sargent & Co., New York, and New Haven, Conb.

Forgings, Carriage. Columbus Bolt Works, Columbus, O.

oundry Riddles.
Gilbert & Bennett Mfg. Co., New
York and Chicago.

Frame Pulleys. Sargent & Co., New York.

Fruit Presses.
Buterprise Mfg. Co of Pa., Philadelphia.

Furnace Shoveis. Geneva Tool Co., Geneva, Ohio.

Garden Hoes. Geneva Tool Co., Geneva, O.

Garden Tools.
Alfred Field & Co., New York.
Geneva Tool Co., Geneva, O.

Gasfitters' Supplies. Colwell Lead Co., New York

Gasoline Lamps.
Argand Vapor Lamp Co., Detroit,
Mich.
Imperial Gas Lamp Co., Chicago. Ill.
Search-Light Mfg. Co., Chicago, Ill.
Sterling White Light Gas Lamp Co.,
Sterling, Ill.

Gasoline Stoves. Sun Stove Co., Detroit, Mich.

Gas Pilers.
Cronk & Carrier Mfg. Co., Elmira,
N. Y.

Gauges, Butt. Stanley Rule and Level Co., New York.

Glass Cutters. W. L. Barrett, Bristol, Conn.

Glue.
Allerton-Clarke Co., New York.
Baeder, Adamson & Co., New York,
Philadelphia, Boston and Chicago.
N. Y. Cabinet Glue Works. New York.
Tower & Lyon, New York.

Graphite.
Joseph Dixon Crucible Co., Jersey City, N. J.

Grass Hooks.
Iowa Farming Tool Co., Ft. Madison, Ia

Grindstones.
Cleveland Stone Co., Cleveland.

Gummers, Saw. E. C. Atkins & Co., Indianapolis, Ind.

Gunpowder.
Tower & Lyon, New York.

Gun Implements.
Remington Arms Co., New York.
Union Hardware Co., Torrington,
Conn.

Hair Felting. aeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Halter Chains.
Covert Mfg. Co., West Troy, N. Y. Halters, Web and Rope. Covert Mfg. Co., West Troy, N. Y.

Hammers.
Columbus Anvil & Forging Co., Col-

Columbus Anvil & Forging Co., Col-umbus, O.
John H. Graham & Co., New York.
Arthur R. Robertson, Boston, Mass Sargent & Co., New York.
Stanley Rule and Level Co., New York.

The Scranton & Co., New Haven Conn. Hand Carts.
Syracuse Chilled Plow Co., Syracuse,
N. Y.

Handles, Tool. Berger Bros Co., Philadelphia. Geneva Tool Co., Geneva, O. N. Y. Mallet & Handle Works, New York, N. Y.

Haugers, Coat and Hat. Cronk & Carrier Mfg. Co., Elmirs, N. Y.

Hangers, Pipe. Berger Bros. Co., Philadelphia.

Hangers, Barn Door, Cronk & Carrier Mfg. Co., Elmira, N. Y.

N. Y. John H. Graham & Co., New York, Lane Bros. Co., Poughkeepsie, N. Y. McKinney Mfg. Co., Allegheny, Pa. J. E. Porter Co., Ottawa, Ill.

Hangers, Joist and Wall. National Iron & Wire Co., Cleveland, Ohio.
Van Dorn Iron Works Co., Cleveland
Ohio.

Hangers. Parlor Door.
John H. Graham & Co., New York.
Lane Bros. Co., Poughkeepsie, N. Y
Sargent & Co., New York. Hardware Cabinets.
J. D. Warren Mfg. Co., Chicago, Ill.

Hardware Cases.
J. D. Warren Mfg. Co., Chicago, Ill.

Hardware Mfra' Agenta, Etc.
John H. Graham & Co., New York.
Robert Murray, New York.
Hardware Shelving.
J. D. Warren Mfg. Co., Chicago, Ill.

J. D. Warren Mfg. Co., Chicago, Ill.
Hardware Specialties.
Clark & Cowles, Plainville. Conn.
Enterprise Mfg. Co. of Pa., Phila
delphia.
Alfred Field & Co., New York.
Charles Morrill. New York.
Robert Murray, New York.
Sargent & Co., New York.

Harness Dressing. Frank Miller Co., New York, N. Y.

Harness Sugns.
Covert Mfg. Co., West Troy, N Y.
W & R. T. Fitch Co., New Haven.
Conn.
Sargent & Co., New York.

Hasps and Staples.
McKinney Mfg. Co., Allegheny, Pa

Hay Carriers.
J. E. Porter Co., Ottawa, Ill. Hav Carrying Tools,
Janesville Hay Tool Co., Chicago, Ill.
F. Nyers & Bro. Ashland, Ohio,
J. E. Porter Co., Ottawa, Ill.

Hay Forks, Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madison. Is.
Janesville Hav Tool Co., Chicago, Ill,
Willoughby Fork & Mfg. Co., Willoughby, O.

Hay Knives, Iwan Bros , Streator, Ill.

Hav Presses.
J. E. Porter Co., Ottawa, Ill. Hay Glings.

Janesville Hay Tool Co., Chicago, Ill.

Heaters, Oil.

Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Hinges.
Clark Mfg. Co., Buffalo, N. Y.
McKinney Mfg. Co., Allegheny, Pa.

Niles Mfg. Co., Chicago. Sargent & Co., New York.

Hinges, Shutter. Clark Mfg. Co., Buffalo, N. Y.

Hinges, Spring.

Bommer Bros., Brooklyn, N. Y.
Niles Mfg. Co., Chicago.
Sargent & Co., New York.

Hinges, Trunk, Box and Door. Brass Goods Mfg. Co., Brooklyn, N.Y

Hoisting Machinery.
Burr Mfg. Co., Clevelaud, Ohio.
Kimball Bros. Co., Council Bluffs. Ia.

Hones, Razor.
Alfred Field & Co., New York.

Hone Strops.
J. H. Pero, Chicago, Ill.

Hooke.

Berger Bros. Co., Philadelphia.
John H. Graham & Co., New York.
Sargent & Co., New York.
Horse and Cattle Ties.
Covert Mfg. Co., West Troy, N. Y.

Horse Nails.

Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford,
Conn.

Horse Rasps.
G. & H. Barnett Co., Phila., Pa.
Nicholson File Co., Providence, R. I.

Hose Menders.
John H. Graham & Co., New York. Hose Pipe. F. E. Myers & Bro., Ashland, Ohio.

Hose, Rubber. F. E. Myers & Bro., Ashland, Ohio.

Ice Balances.
John Chatillon & Sons, New York.
Pelouze Scale & Mfg. Co., Chicago.

Ice Chisels.

John Chatillon & Sons, New York.

Iowa Farming Tool Co., Ft. Madison,
Iowa.

Ice Cream Freezers.

Dana & Co., Cincinnati, O.

John H. Graham & C. O., New York.

North Bros. Mfg. Co., Philadelphia.

Tower & Lyon, New York.

Conn.

Loc Creepers.

Edwin B. Stimpson & Son, New York.
Tower & Lyon, New York.
Union Hardware Co., Torrington,
Conn.

Ice Harvesting Implements. Wm. T. Wood & Co., Arlington, Mass.

Win. T. Wood & Co., Arington, Mass.

Ice Picks.
John Chatillon & Sons, New York.
Erie Specialty Co., Erie, Pa.
C. E. Jennings & Co., New York
Wm. T. Wood & Co., Arlington, Mass.

Ice Tools.
John Chatillon & Sons, New York.
Erie Specialty Co., Erie, Pa.
Wm. T. Wood & Co., Arlington, Mass.

Iron, Sheet. Bruce & Cook, New York

Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleve-land, Ohlo.

Iron Pipe.
Colwell Lead Co., New York.

Colwell Lead Co., New York.

Iron Work.

J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland,
Ohio.

Jack Chains. 8mith & Egge Mfg. Co., Bridgeport Conn.

Ladders.
Berger Bros. Co., Philadelphia.
Lane Bros. Co.. Poughkeepsie, N. Y.
F. E. Myers & Bro., Ashland, Ohio.

Lamps, Bicycle, John H. Graham & Co., New York, Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Lard Presses.
Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Fences.
W. J. Adam, Joliet, Ill.
Enterprise Foundry & Fence Co.,
Indianapolis. Ind.
Up-To-Date Mfg. Co., Terre Haute,
Ind
Van Dorn Iron Works Co., Cleveland,
Ohlo.

Lawn Mowers.
Enterprise Mfg. Co. of Pa., Philadelphia.

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Lawn Rakes.

Geneva Tool Co., Geneva, O.

Iowa Farming Tool Co., Ft. Madison,
Ia.

Lawn Sweepers.
Greene Mfg. Co., Springfield, O.
Lawn Tools.
Geneva Tool Co., Geneva, O. Lead.

ead. Bruce & Cook, New York. Colwell Lead Co., New York. Lead Pencils.
Joseph Dixon Crucible Co., Jersey
City, N. J. Lead Pipe.
Colwell Lead Co., New York.

Lemon Squeezers.

Berger Bros. Co., Philadelphia.

Erie Specialty Co., Erie, Pa.

John H. Graham & Co., New York.

John Sommer's Son, Newark, N. J.

Levels.
Stanley Rule & Level Co., New
York.
Tower & Lyon, New York.

Locks and Knobs.

Brass Goods Mfg. Co., Brooklyn, N.Y.
John H. Graham & Co., New York.
Sargent & Co., New York and New
Haven, Conu.

Lubricants.
Joseph Dixon Crucible Co., New York
and Jersey City, N. J.

Luminous Bait. Enterprise Mfg. Co., Akron, O.

Magnolia Metal.
Magnolia Metal Co., New York.

Magnolia Metal Co., New York.

Malleta.
Bruce & Cook, New York.
N. Y. Mallet & Handle Works, New
York, N. Y.
John Sommer's Son, Newark, N. J.
Stanley Rule and Level Co., New
York.
Tower & Lycn, New York.
Union Hdw Co., Torrington, Conn.

Manicure Appliances. H. C. Cook Co., Ansonia, Conn.

Manure Forks.
Geneva Tool Co., Geneva, O.

Manure Hooks. Geneva Tool Co., Geneva, O.

Masons' Lines. Samson Cordage Works, Boston.

Measuring Pumps.
Enterprise Mfg. Co. of Pa., Philadelphia.

Measuring Tapes.
Alfred Field & Co., New York.
John H. Graham & Co., New York.
Keuffel & Esser, New York.

Meat Choppers.

John Chatilion & Sons, New York.
Enterprise Mfg. Co. of Pa., Philadelphia. John H. Graham & Co., New York.

John H. Graham & Co., New York,

Meat Cutters.

Enterprise Mfg. Co. of Pa., Philadelphia.
John H. Graham & Co., New York.

Sargent & Co., New York.

Metallic Paint.
L. D. Berger, Philadelphia.
Bruce & Cook, New York.

Mills, Coffee and Spice.
John Chatillon & Sons, New York.
Enterprise Mfg. Co. of Pa., Philadelphia.

Mills, Drug.
Enterprise Mfg. Co. of Pa., Philadelphia.

Mincing Knives.
Enterprise Mfg. Co. of Pa., Philadelphia.
John H. Graham & Co., New York.

Mitre Boxes.
C. E. Jennings & Co., New York.

Mowing Machine Oilers.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. Nails.

alia. Bruce & Cook, New York. Fuller Bros. & Co., New York. Chas. J. Stebbins & Co., New York.

Nail Pullers.
Bridgeport Mfg. Co., Bridgeport, The Scranton & Co., New Haven, Conn. Tower & Lyon, New York.

Nail Sets.
John H. Graham & Co., New York.
C. E. Jennings & Co., New York.

Needles. Alfred Field & Co., New York.

Nippers.
Alfred Field & Co., New York.
Charles Morrill, New York. Nuts.
Atlas Bolt and Screw Co., Cleveland,
Ohio.
Columbus Bolt Works. Columbus, O.
Milton Mfg. Co., Milton, Pa.

Office Railings.

J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Gilbert & Bennett Mfg. Co., New
York and Chicago.

Oilers. Cushman & Denison, New York. Tower & Lyon, New York. Wilmot & Hobbs Mfg. Co., Bridge-

port, Conn. Oil Heaters.
Plume & Atwood Mfg. Co., New
York, Boston and Chicago.

Ornamental Iron Work.
Enterprise Foundry & Fence
Indianapolis, Ind.
Van Dorn Iron Works Co., Clevean Dorn I land, Ohio.

Padlocks. adiocks.
Ames Sword Co., Chicopee, Mass.
Alfred Field & Co., New York.
John H. Graham & Co., New York.
Smith & Egge Mfg. Co., Bridgeport,

Conn. Tower & Lyon, New York.

Paints.
L. D. Berger, Philadelphia.
Bruce & Cook, New York.
Jos. Dixon Crucible Co., Jersey City,
N. J.

Paper Clips.
Cushman & Denison, New York.

Patents.
Davis & Davis, New York.

Pencils.

Joseph Dixon Crucible Co., Jersey
City, N. J.

Pig Lead. Colwell Lead Co., New York.

Pig Tin. Colwell Lead Co., New York.

Pipe Cutters.
Armstrong Mfg. Co., Bridgeport. Conn.
Alfred Field & Co., New York.
Trimont Mfg. Co., Roxbury, Mass.

Pipe Straps.
Berger Bros. Co., Philadelpnia.
Bruce & Cook, New York.
Smith & Egge Mfg. Co., Bridgeport,
Conn.

Pipe Threading Machines.
Armstrong Mfg. Co., Bridgeport,

Pipe Vises.
Armstrong Mfg. Co., Bridgeport, Conn. Howard Iron Works, Buffalo, N. Y. Tower & Lyon, New York.

Pistols.
J. Stevens Arms & Tool Co., Chicopee
Falls, Mass.

Planes.
C. E. Jennings & Co., New York.
Sargent & Co., New York.
Stanley Rule and Level Co., New
York. Tower & Lyon, New York.

Plated Ware.
M. S. Benedict Mfg. Co., E. Syracuse,
N. Y.
Luther Boardman & Son, East Had dam, Conn. Alfred Field & Co., New York.

Plates, Machinery. Schwerdtle Stamp Co., Bridgeport. Conn.

Plate Washers.
Milton Mfg. Co., Milton, Pa.

Pliers, Fencing. Cronk & Carrier Mfg. Co., Elmira, Alfred Field & Co., New York.

Plumbers' Supplies.
L. D. Berger, Philadelphia, Pa.
Berger Bros. Co., Philadelphia, Pa.
Bruce & Cook, New York.
Colwell Lead Co., New York.
Smith & Egge Mfg. Co., Bridgeport,
Conn.

Pocket Cutlery.
John Chatillon & Sons, New York.
Alfred Field & Co., New York.
Jackson Knife & Shear Co.,
Fremont, O.

Police Equipments.
Tower & Lyon, New York.

Polish, Stove.
Joseph Dixon Crucible Co., Jersey
City, N. J.

Post Hole Augers. Iwan Bros., Streator, Ill.

Post Hole Diggers.
John H. Graham & Co., New York.
Iwan Bros., Streator, Ill.

Potato Hooks. Geneva Tool Co., Geneva, O.

Poultry Netting.
Clinton Wire Cloth Co., Clinton,

Mass.
Gilbert & Bennett Mfg. Co., New
York, Chicago.
New Jersey Wire Cloth Co., New
York, Trenton, Chicago, San Fran-

Power Hammers.
The Scranton & Co., New Haven,

Conn.
Price Books.
Hardware Publishing Co., New York.
Pruning Shears.
Cronk & Carrier Mfg. Co., Elmira,
N. Y.

Pulleys, Hoisting. Burr Mfg. Co., Cleveland, Ohio. F. E. Myers & Bro., Ashland, Ohio.

Pulleys, Hook. Janesville Hay Tool Co., Chicago, Ill.

Janesville Hay Tool Co., Chicago, Ill.
Pumps.
John H. Graham & Co., New York.
F. E. Myers & Bro., Ashland, Oblo.
The Deming Co., Salem, Ohio.
Punches, Spring.
Alfred Field & Co., New York.
Charles Morrill. New York.
Smith & Egge Mfg. Co., Bridgeport,
Conn.
R. Woodman Mfg. & Supply Co.,
Boston, Mass.

Bailings, Wire and Iron.
J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Clinton Wire Cloth Co., Clinton,

Railroad Brasses.

Magnolia Metal Co., New York.

Bail, Barn Door.
Cronk & Carrier Mfg. Co., Elmira,
N. Y.
Lane Bros. Co., Poughkeepsie, N. Y.
McKinney Mfg. Co., Allegheny, Pa.
Bailway and Mill Supplies.
American Railway Supply Co., New
York

York. Woodman Mfg. & Supply Co.,

Raisin Seeders. Enterprise Mfg. Co. of Pa., Philanterprise delphia.

Rakes. Mees.
Geneva Tool Co., Geneva, O.
John H. Graham & Co., New York.
Iowa Farming Tool Co., Fort Madison, Ia.

Alfred Field & Co., New York.
Alfred Field & Co., New York.
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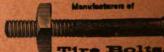


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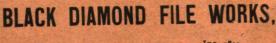
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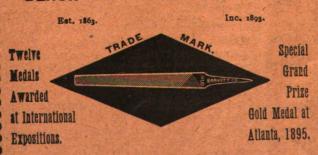


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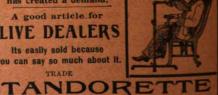
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Vol. XXIV, No. 9

New York, February 10, 1902

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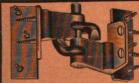
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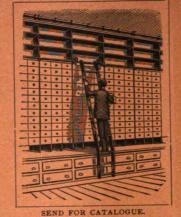
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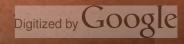
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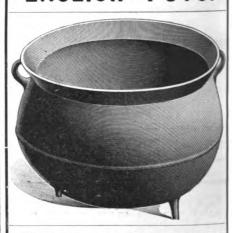
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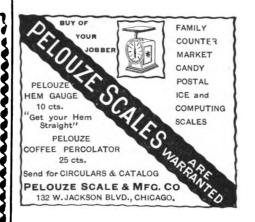
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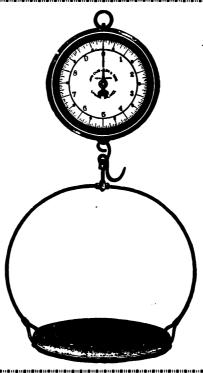
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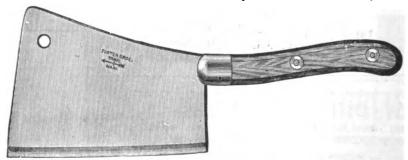
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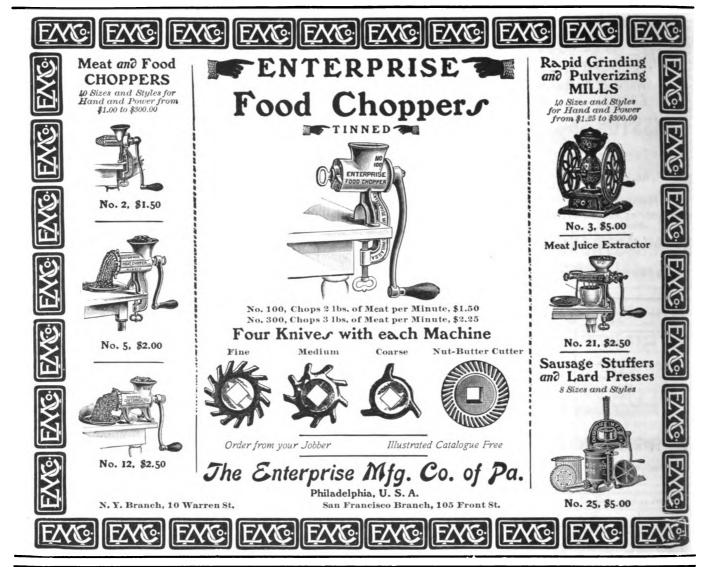
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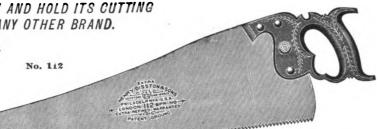
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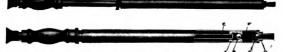
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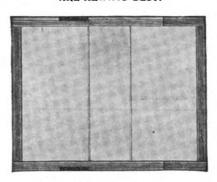


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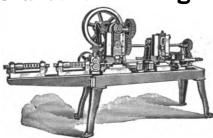
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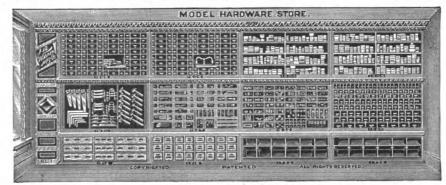


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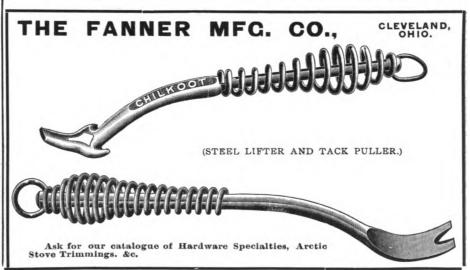
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BECAUSE WE MADE IT SO. EXPERT DESIGNERS OF HARDWARE SHELVING. J. D. WARREN MFG. CO., CHICAGO, U. S. A.

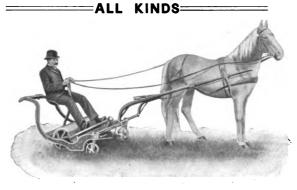








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ICKEYE" WASHING MACHINE. THE BEST, BECAUSE

It is easy to work. It cannot tear the clothes.

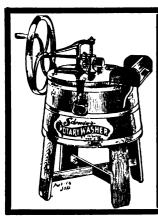
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It will wash lace curtains and needlework without tearing, and better than you can do it on a washboard.

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INTERSTATE MILITARY MATCH,

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Proposals. ENGRAVING AND PRINTING SUPPLIES.

ENGRAVING AND PHINTING SUPPLIES.

Treasury Department, Bureau of Engraving and Printing, Washington, D. C., Jannary 20, 1902.—Sealed proposals will be received at this office until 2 P. M., Monday, March 3, 1902, to furnish, during the fiscal year beginning July 1, 1902, the following classes of supplies viz: Dry colors, hardware, engravers' supplies, tertiles, rubber goods, oils and dextrine. Sealed proposals will also be received until 2 P. M. Monday, March 24, 1902, for the following classes of supplies, viz: Binders' supplies, lumber, plumbers' supplies, grocers' sundries, chemicals, paper and electrical supplies. Awards will be made only to established manufacturers of, or dealers in, the articles. The right is reserved to reject any or all bids or parts of bids. Blank forms, with specifications for proposals and further information desired will be furnished intending bidders on application to WM. M. MEREDITH.

WM. M. MEREDITH, Director of Bureau.



washing machines. Latest improved "BOSS" double action and rub board machine. All gearing enclosed and other important im-provements.

SIZES: \ 7, 8, 9, wood frame lower cylinder. 10, 11, 12, steel frame lower cylinder.

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Skylight and Sheet Metal Work.

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"BARDSLEY" **CHECKING SPRING HINGE**

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Can be taken entirely apart to clean or repair it.

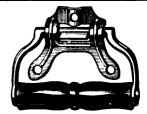
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STEP LADDERS, CLOTHES BARS, HOOK RACKS, FOLD-ING CLOTHES RACKS, TOWEL ROLLS, TOWEL ARMS, ROPE REELS, IRONING STANDS AND BOARDS, FOLD-ING TABLES, COMMODES, MEDICINE CABINETS.

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BEST ON EARTH.

Best cover, base, bearing, mountings, and brace. Last longest, easiest made, and makes least noise. Used with gal. sheet iron base. Iron mountings sold by Leading Jobbers with pattern free for cover and vane. Address

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A PERPECT STROP FOR MEN WHO SHAVE THEMSELVES.

Something Entirely new and that you can recommend. The result of 20 years experimenting by an expert barber. Lasts a lifetime. Pays a Liberal Profit and money refunded if not satisfactory. Write for full particulars and testimonials.

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DO YOU WANT A GOOD THING?

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Bake quickly, perfectly, and evenly on both top and bottom.

Before placing your oven order write us for particu-lars and prices. It will pay



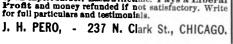
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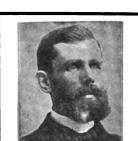


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Made with 12 or 24 different keys. Contain all the modern improvements. Warranted in every way. Cannot be tampered with, without detection. Manufactured by

IMHAUSER & CO., 206 Broadway, New York Write for Catalogue, Highest Award Pan-American Exposition.





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DANTON, O. ar Johber for our goods. If he hasn't them, WR HAVE.

ROYAL SAW-SET.



Special Size for Cross-Cut Saws

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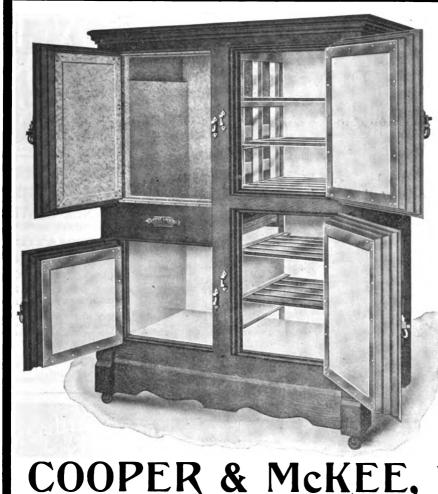
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FOR EITHER HAND OR BAND SAWS.

THIS CUT SHOWS SET IN USE FOR HAND SAW.



GLASS LINED "HYGIENIC" REFRIGERATORS.

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COLD PUNCHED NUTS,

Chamfered and Trimmed, Plain, square and hexagon. Also, Semi-Finished and Finished Case Hardened Hexagon Nuts.

Hot Pressed Nuts, Plate Washers, Refined Bar Iron.

Quality and Finish the Best. • • • • • Send Specifications for Prices. • • • • •

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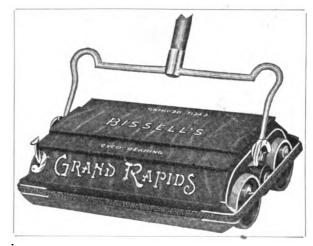
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Guarantee from 36% to 75
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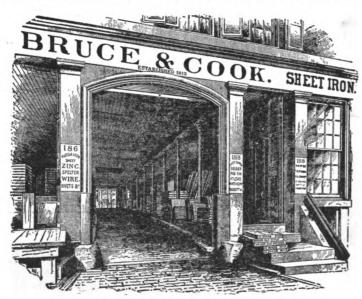
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TIN PLATES AND METALS,

186, 188 and 190 WATER STREET, 248 and 250 PEARL STREET, . . .

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We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment. . .



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Gem Gasoline Furnaces Roofing Seamers. Gutter, Wide Roof. Gutter Strainers. Hard Metal. Kettle Ears. Lead-Bar and Pig. Leader Hooks. Malleable Ears. Mallets. Metal Lath. Metallic Paint. Nails--Roofing Tinned. Nails--Wire Roofing. Nails-Wire R'g Tinned Pail Woods. Perforated Tin. Ribbed Leader. Rivets. Roofing Tin Plates.

Rosin. Sheathing Paper. Sheet Iron--Char. Cl'd. Sheet Iron--Cold Rol'd. Sheet, Iron--Com. Cl'd. Sheet Iron--Corrugated Sheet Iron--Galvanized Sheet Iron-Planished. Sheet Iron--Russia. Soldering Coppers. Spelter. Spelter Solder. Squaring Shears. Stove Boards. Stove Pipe. Stove Pipe Collars. Strainer Wire Cloth

Taggers Iron. Taggers Tin. Terne Plates. Tin-Bar and Pig. Tin Plates. Tin Shingles Tinners' Machines Tinners' Tools. Ventilators--Globe Wall Hooks. Water Cut-offs. Wire--Annealed. Wire-Coppered. Wire-Galvanised Wire Tinned. Zinc for Etching, Zinc Sheets.





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BANNER HEATERS HAVE AN

AUTOMATIC SAFETY

which prevents the flame

from burning too high.

For Bed Room, Smoking Room, Bath Room, Library, Nursery, Office, Conserva-tory, Camp or Cottage.

THE PLUME & ATWOOD MFG. CO.,



HORSESHOE-H-CALK 8. (Neuss')



Always Sharp! No Slipping of the Horse! No injuries as caused by other Calts. Great Saving of Horses and Horseshoes!

Price List, with Testimonials, Post Free Patentees and Sole Manufacturers,

LEONHARDT & CO., BERLIN-SCHOENEBERG, GERMANT



HERE IS ANOTHER TRADE WINNER FROM THE NATIONAL FACTORY.

It is with such Goods as these that Profits are made.



THIS is an Automatic lift drop head stand with an easy and absolutely positive action, accomplished with mechanism of extreme simplicity. The design of the woodwork is new, classic, elegant, artistically executed and wholly in harmony with modern patterns of high class household furniture.

Nothing at all approaching the artistic excellence of this stand has ever before been associated with a sewing machine, and in quality of material, workmanship and finish it is technically of the highest class and cannot be surpassed.

IT IS WITH SUCH GOODS AS THESE THAT THE LIVE DEALER CAN WIN AND HOLD TRADE; THEY ARE BEYOND THE REACH OF COMPETITION.

CORRESPONDENCE SOLICITED.

National Sewing Machine Company BELVIDERE * ILLINOIS

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CHICAGO, 49 Jackson Boul.

SAN FRANCISCO, Hearst Bldg.

The Smith & Egge Mfg. Co.,

BRIDGEPORT, CONN.

Manufacturers of . .

SASH CHAINS.

"Giant," "Red Metal"
• • Cable and Jack

Chains.

Our Chains are being constantly imitated in appearance, but no one has succeeded in equaling them in wearing qualities. You will find them in use in the finest buildings.

No.40.

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Philadelphia Agent: W. E. Trull, 13 N. Sixth Street.
Chicago Agent: H. H. Munger, 142 Lake Street.
St. Louis Agent: Chas. M. Groves, Chemical Bldg.



HAS A

Clock Spring Steel Bottom

Of extreme durability and springiness. The CYLINDER is of DOUBLE THICKNESS around the lower edge, and is drawn seamless from extra heavy "Swedoh" Steel, Beautifully Finished It readily commends itself to all AGRICULTURAL and HARD-

WARE DEALERS on account of its Elegance, Durability and Cheapness.

Special price on large orders from the Jobbing Trade.

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ORDER NOW FOR SPRING DELIVERY.

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THE AMERICAN TUBE & STAMPING CO..

SUCCESSOR TO . . .

The Wilmot & Hobbs Mfg.Co.
BRIDGEPORT,
CONN.





# HARDWARE

Edw. K. Tryon, Jr. & Co., Philadelphia, have in preparation a complete catalogue of Wheels and sundries, Base Ball, Tennis and general Athletic Goods; also another of Fishing Tackle. The first they expect to distribute to the trade in about ten days, followed closely by the other referred to.

The business conducted for a number of years under the name of C. W. Dunlap, 108 Chambers Street, New York, has recently been incorporated as the C. W. Dunlap Mfg. Co., with Charles W. Dunlap as president, and Willis W. Ferry, secretary-treasurer. The facilities for manufacturing the well known line of specialties identified with the name of C. W. Dunlap will be greatly increased, including as it does Kitchen and Garden Specialties and a variety of Mechanics' Tools.

A. G. Spalding & Bro., the famous Sporting Goods Dealers of New York and Chicago, will establish a branch house in Baltimore. They have purchased the stock and fixtures of W. W. Carr, 25 West Baltimore Street, and will remodel the store and stock it with up-to-date goods, Mr. Carr being retained as manager.

A patent was recently granted to P. A. Myers, of the firm of F. E. Myers & Bro., Ashland, O., for an improvement in horizontal force pumps, which simplifies the construction to a great degree and covers broadly the feature of grouping the suction and discharge valves in such a manner as to render them readily accessible, thus covering broadly the line of "Century" and "Bulldozer" pumps manufactured by F. E. Myers & Bro.

Surely there could be no more beneficent industry than one that lets the light into dark places. That is an important part of the business of the G. Drouve Co., of Bridgeport, Conn. This firm makes sky-lights in many shapes and sizes, suited to all sorts of roofs. The combination of lightness and strength, so much to be desired in sky-lights, is attained in the Drouve work. The company's plant is admirably equipped, and is kept very busy.

John D. Bethel, for many years past a prominent figure in the canvas and leather goods business, has accepted a position with the Marlin Fire Arms Co. Mr. Bethel, who for the present makes his headquarters in New Haven, at the Marlin factory, will be glad to see any of his many friends in the trade in case they are visiting in the East. Later on Mr. Bethel expects to look after the interests of Marlin Repeating Rifles and Shot Guns in Southern territory, where, no doubt, his old acquaintances will extend their invariably hearty welcome as of yore.

Flint Eddy & American Trading Co., Broad-Exchange building, New York, make the announcement that on and after February 1, 1902, they will do business under the single name of American Trading Co. It is their intention to continue the departments of their business as heretofore, and no change will be made in the present management. The American Trading Co. have been identified with Eastern trade for a number of years, and the Flint Eddy & American Trading Co. will, on adopting their single name of American Trading Co., continue the business already established with China, Japan, Corea and Siberia, and do an export and import trade with all the markets of South America, Central America, Mexico. the West Indies, Australia and New Zealand.

The officers of the Iowa Retail Hardware Dealers' Association after due deliberation have changed the headquarters for their convention, which is to be held February 18-20 in Des Moines, from the Savery to the Kirkwood Hotel. The programme of this meeting was given in our preceding issue.

John W. Sudlow, the well known manufacturer of the Dandy Sink Cleaner at 986 and 988 Halsey Street, Brooklyn, N. Y., owing to the successful growth of his manufacturing business, has been compelled to largely increase his facilities by necessary additions to his plant, adding valuable automatic machinery to his factory equipment, and is admirably prepared to ship all orders promptly at the time specification any general requisition. The year 1901 was the most successful year in the history of his business, his output exceeding by nearly 30 per cent. any previous record. The Dandy Sink Cleaner is without competition as a salable kitchen necessity, and its popular appreciation is well deserved.

Lowe Bros. Co., Dayton, O., publish an interesting little pamphlet every month under the name of "The Little Blue Flag," for the purpose of giving paint information and business facts to assist their agents and for the purpose of informing their clerks, salesmen, etc. It is a well-edited publication of its kind, and must be greatly appreciated by those for whom it is intended who are handling the products of this progressive company. From it we learn that the new year will note among other evidences of growth the opening of a New York house at 47 Fulton Street, which is a capital location, convenient for the paint trade. It will be handsomely fitted up, and it is their intention to carry a large stock for the advancement of their Eastern trade. W. R. Platt, who has had many years' experience in the Eastern paint business, will be in charge of this branch.

Magnolia Metal Co. have purchased a commodious office building and factory at 113 to 115 Bank Street, New York, into which they are transferring their business this month. It is their intention to equip this factory with the most modern appliances for manufacturing on a large scale, and at the lowest cost of production, so they will be prepared to turn out promptly all orders for their several specialties, which include Magnolia, Defender, Mystic and Adamant Anti-Friction Metals, and also at close competitive prices all grades of Babbitt Metals, of which they make a superior quality, from Genuine to No. 4. They also manufacture Solder, Electrotype, Linotype and Stereotype Metals, special Metals of all kinds, Railroad Brasses, etc. With the increased advantages gained by this additional factory to those already established at Stirling, N. J., Chicago and Montreal, their facilities for manufacturing and prompt delivery of Babbitt Metals will be unequaled.

A late census bulletin estimates the population of the entire United States, including all the outlying possessions, at 84,233,069 in the census year. Of this total 75,994,575 inhabitants are credited to the United States proper, while over 8,200,000 are located in the new possessions. The census only extended to Alaska and Hawaii outside of the "continental United States." The remaining figures are taken from the best available sources. The bulk of the outside population is located in the Philippines, which are credited with 6,961,339 people. Porto Rico had 953,243 inhabitants; Hawaii, 154,001; Alaska, 63,592; Guam, 9,000, and American Samoa, 6,100; while persons in the military and naval service of the United States, outside of the territory of the United States proper, numbered 91,219.

## HARDWARE

VOL. XXIV.

FEBRUARY 10, 1902.

NO.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.

HARDWARE is published on the 10th and 25th of each month. The subscription is \$1.00 a year, payable in advance.

Subscriptions may commence with any issue.

Remittances should always be made in the safest manner available to the remitter. Post-office and Express Money Orders are always safe and may be sent at our own risk.

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The Name of your Post-office and of the State you live in should always follow your own name when writing to this office. We cannot find your name on our books unless this is done,

Letters should be addressed

## HARDWARE PUBLISHING CO..

275 Broadway, New York.

L. E. MITCHELL, .

President.

A. P. MITCHELL,

Secretary and Treasurer.

HENRY HOPKINS,

Editor.

A. E. BOLLES,

Manager

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted Exclusively to the Hardware Trade.

## Editorial Trade Review.

This is the season when the retail dealers who form the Associations in the Hardware industry are actively employed in meeting in Conventions, getting better acquainted with one another, comparing notes as to methods for meeting unrighteous competition, and listening to able articles embodying the views of those born leaders in mental activity whose stalwart and advanced ideas give strength to trade and traffic and propogate methods for producing profits. They are to be heard from in every State, and the movement that originally gave small show for such successful development now commands the respect of jobbers and manufacturers, and will eventually embrace every sagacious dealer in the several States where Hardware enterprise exerts a characteristic force.

The passing of the first month in the year with every indication prevalent of continued prosperity, has inspired the dealers, whether jobbers or retailers, with a confidence in the future difficult to confuse. The few changes of a stiffening character noticeable in the conditions of the markets, do not exert a baleful influence, but rather stimulate purchases, the feeling gaining ground as the season advances that prompt deliveries will be difficult of accomplishment, and the earlier that orders for standard requirements are given the greater certainty is counted upon that the goods will get in stock. The fact that few manufacturers have been able to get much stock ahead has had its influence in pressing the sources of supply for some evidence that disappointment will not in every case antedate

deliveries. The manufacturers on their own account are not free from anxiety as to obtaining supplies of raw material, very few of them being in that happy state which renders them independent of any fear arising from a lack of cars to forward supplies.

Reports from the West indicate that the business for January was far ahead of that done in January, 1901, in a number of instances largely so. Prices are gradually growing firmer, and the demand steadier, and these points of themselves largely affect the obtaining of commensurate profit on the current sales. The desire to embark in business is again active, and inquiries are urgent as to a good location, where a fairly liberal capital can guarantee satisfactory results to a movement of so much importance.

The largest producers of material in the world are under contract for almost their entire product for many months to come, if not for the larger part of the current year, and were it not already announced to be the policy of the makers not to arbitrarily advance quotations with no stock to supply, one might naturally look for conditions prevailing in 1899, from which there was so great a reaction.

The near zero weather which has of late been a prominent condition in the weather bureau, has to some extent checked the demand for Builders' Hardware, which, however, promises to be of short duration, so many projects being under way in that particular line as to promise an extremely active season, the low prices prevailing exerting a natural influence in developing a demand.

A number of jobbing houses who have conservatively held aloof from adding a sewing machine department to their other lines, are this season contemplating this attractive addition to their regular business. Reports of large sales with convincing profits from jobbers who have successfully handled an article of such universal utility, indicates a volume of business of unsuspected proportions following up a distribution founded on business methods and not left to haphazard attention in a half-hearted way.

## The Export Record of 1901.

The export record of the calendar year 1901 is very satisfactory when its total is compared with that of 1900, or of any preceding year. While the apparent total falls about \$12,-000,000 below the figures of 1900, the fact that the export figures of 1901 do not contain any of the shipments from the United States to Porto Rico or Hawaii, which aggregated probably \$30,000,000, shows that the grand total of shipments formerly classed as exports to foreign countries was in the year 1901 greater than in any preceding year. While there was a reduction of \$100,000,000 in the value of exports of certain great articles, notably corn, copper, cotton and iron and steel, there was a sufficient increase in other articles, notably wheat, flour, provisions and cotton manufactures, to practically offset this reduction. The reduction in exports of corn, as is well known, was due solely to the great shortage in the corn crop, the total figures of exports for the year being but \$50,361,388, against \$84,284,733 in 1900, a reduction in round terms of \$34,000,000. In cotton, while there was an increase of 155 million pounds in the exportations, there was a decrease of 13 million dollars in value. Of-copper, the exportations in 1901 were \$33,534,899, against \$57,542,610 in 1900, the decrease in quantity being proportionately about the same as that in value. In iron and steel there was a reduction of 27 million dollars, the export figures for 1901 being \$102,539,797, and in 1900, \$129,633,480. This reduction in iron and steel exports was partly due to reduced prices, and partly to a decrease in quantities exported. In locomotives

the number exported showed an actual increase, while the value showed a decrease of about \$400,000. In various other manufactures of iron and steel the reduction in value was proportionately greater than the reduction in quantity, but there were material reductions in quantity in certain articles. Bars or rods of steel fell in exportations from 106 million pounds to 79 million pounds; steel rails, from 356,245 tons to 318,055 tons; wire nails, from 61,385,843 pounds to 42,050,602 pounds; and steel sheets, from 101,995,225 pounds to 53,588,-154 pounds. Tin plate showed a material increase in exportations, though the quantity is as yet comparatively small, being in 1900, 612,251 pounds, and in 1901, 983,383 pounds. Wire showed an increase from 174,751,042 pounds to 197,651,-789 pounds. Another indication that the reduction in the value of exports is due quite as much to a fall in prices as in quantity is found in the fact that while the quantity of refined mineral oil exported showed an increase of nearly 100 million gallons, the value showed a decrease of about \$1,000,-000; the total exportations of refined mineral oil in the year amounted to 924,198,170 gallons, against 828,945,305 gallons in 1900; while the value in 1901 was \$65,492,359, against \$66,-307.621 in 1900.

The five principal articles which show a decrease are corn, iron and steel manufactures, copper, cotton, and mineral oils; and of these cotton and mineral oils both show an actual increase in quantity, though a decrease in value. This aggregate of practically \$100,000,000 reduction in the exports of these five articles is nearly offset by the increase in exports of wheat, provisions, live animals and cotton manufactures, cotton seed oil and oil cake, and leather and manufactures thereof. Add to this the further fact that the shipments to Hawaii and Porto Rico aggregated probably fully \$30,000,000, and the record of 1901 will compare favorably with that of any preceding year.

The distribution of this large total, really the largest total of shipments ever passing out of the country, shows an increase everywhere except to Europe. The exports to Europe for 1901 were about 17 million dollars less than in 1900; to North America, there is an increase of about \$1,000,000; to South America, an increase of about \$1,000,000; to Asia about a million dollars; to Africa, six millions, and while the official figures of exports of Oceania fall four millions short of those of last year, the fact that none of the shipments to Hawaii are included this year and that about  $7\frac{1}{2}$  millions to Hawaii were included in 1900, in the figures of exports to Oceania, shows that the actual shipments to Oceania in 1901 were in excess of those of 1900 or of any earlier year, since there is every reason to believe that the shipments to the Hawiian Islands alone exceeded \$20,000,000 in the year 1901.

## Death of Charles Parker.

Charles Parker, president of the Charles Parker Co., Meriden, Conn., died at his home in that city Friday, January 31. He was a member of the First Methodist Episcopal Church, from which he was buried on the Sunday following his death. Mr. Parker was in his ninety-fourth year, and until recently was in unusually good health for one of his advanced age. He retained his mental faculties in good condition until just before his death.

Charles Parker was born in Cheshire, Conn., January 2, 1809, and as early as 1828 was manufacturing coffee mills in Meriden, going in business on his own account in 1829. Mr. Parker's business ability was constantly progressing, having had a number of experiences during the intervening year, when in 1844 he supplanted the water power of his factory by steam power, and largely increased his facilities thereby. He was the first manufacturer of plated spoons and forks and plated hollow ware in Meriden.

The Charles Parker Co., or corporation, was formed in 1877 and other plants, such as Parker Bros., manufacturers of the

Parker shotgun; the Meriden Curtain Fixture Co., and the Parker Clock Co., were all controlled in the Parker interests. The Charles Parker Co. also manufacture at East Meriden cabinet locks, tea, table and basting spoons, and at Yalesville coffee mills, piano stools and packing boxes. Mr. Parker has long been noted for his liberality in charitable affairs, and in those connected with church advancement, contributing largely toward the erection of the church from which he was buried, having given the congregation the lot on which the church was built. With the exception of the office of mayor of Meriden, to which he was elected when the city was incorporated, Mr. Parker steadily declined to accept office.

Mr. Parker was married October 6, 1831, and had ten children, the youngest son, Dexter Wright Parker, graduating from West Point in 1870. He and his sister, Mrs. William H. Lyon, are the only children who survive.

William H. Lyon, Mr. Parker's son-in-law, for several years past has borne the responsibilities of the business. arising from so many industries, and has been remarkably successful in his management, which has been a very prosperous one.

## E. C. Atkins & Co.'s New Catalogue.

E. C. Atkins & Co., Indianapolis and 64 Reade Street, New York, have recently issued a fine complete catalogue of their Saws, Saw Tools and Mill Specialties, which is regarded as the Hardware Edition of their product. A glance over the volume shows a number of changes that have been made in their line since last year. Among the numerous additions will be found the following: Metal milling saws, not hollow ground; metal milling saws for Bryant & Highey machines; lathe saws; inserted tooth circular saw, No. 4 short holder pattern; inserted tooth circular saw, No. 3 short holder pattern; double edge band saws; narrow band saws, with beveled backs; "Hemlock King" cross-cut saws; "Mohawk" cross-cut saws; narrow "Victor" cross-cut saws; "Cedar King" one-man saws; "Tyee" cross-cut saws; "Star of the West" cross-cut saws; "Howatson" cross-cut saws; Auckland tabs for cross-cut saws; common ears for cross-cut saws; No. 12 cross-cut sawhandles; "Tubular" woodsaws; No. 1900 wood saws; wood saw blades, Nos. 32, 33, 34; hand saws, Nos. 68, 69 and 70; butcher saws, in coils, trowels, for edging cement walks; beef topping knives, and the Queen vegetable slicer.

Particular attention is called to several additions to their line of cross-cut saws; also small goods.

They also manufacture the improved Criterion Saw Set, which possesses a pointed die which adapts it to any size of tooth. The saw set is made of the best refined malleable iron, and handsomely lacquered. The die and anvil are dropforged from the finest tool steel, properly hardened. catalogue is well illustrated throughout, printed on coated paper in blue, and the natural color of the saw frames where wood saws are shown is also indicated in color. An excellent telegraph code accompanies the catalogue, which will enable the dealer to send rush orders at a limited amount of expense. Included in its contents is a view of their works and branch houses, the several medals that have been obtained from all the Expositions at which they have made an exhibit, from the Centennial to the Pan-American; also their registered trade marks. Altogether it is an important catalogue, and should be requested if not already received.

The booklet also contains a variety of technical information, and covers a table of speed of circular saws, rules for calculating the speed of saws, pulleys or drums, standard price list of emery and corundum wheels, standard price list of leather and rubber belting, price list of files and rasps adopted by the File Manufacturers' Association of the United States.

Fight life's battle bravely, manfully.

## LEGAL CORRESPONDENCE.

Any subscriber to "HARDWARE" is privilege d to ask any legal question he pleases in this Department and it will be answered fre of charge. Address all communications to Editor "HARDWARE," No. 277 Broadway, New York City.

## Individual Liability of Director.

QUESTION: For a number of years past I have been a director of a corporation organized under the general corporation law of 1892 in this State. The business of the corporation has not prospered of late years and has been somewhat neglected by the directors. I was never an active director of the corporation in the sense of conducting business, but I had invested a good deal of money in the corporation, and was interested in its business, and my name appeared on their books as one of the directors. I understand for the last two years the acting directors have failed to file their annual report. I should like to be informed what, if any liability, I have incurred by their failure to file their annual report.

REPLY: It is provided by the general corporation law that directors of a corporation which has failed to file its annual report shall be jointly and severally liable for all the debts of the corporation incurred during the period to file the report as required by the statute. If, however, you were a director at the time certain debts of the corporation were incurred, and the corporation failed to file its annual report, you would be individually liable for the debts of the corporation, and the creditors would be at liberty to either single you out and collect the amount of their judgment from you in full, or they could bring an action against you and the other directors and obtain personal judgments against each director made a party to the action.

### Contract to "Satisfy" Party.

QUESTION: Some time ago I entered into a contract with an artist, by which contract he agreed to paint my portrait for me at the price of \$100. The portrait to be to my satisfaction when completed. The artist completed the portrait which he informed me was a portrait of myself, but which in my opinion was extremely poorly done, and I, therefore, refused to accept the portrait or to make him any payment on the contract referred to. He threatens that unless I pay him the amount of \$100 he will at once institute suit against me to recover the same. Kindly advise me whether I am obliged to pay this sum or not.

REPLY: We are of the opinion that on the state of facts before us, if in good faith you were not "satisfied" with the portrait when it was completed, that you would not be obliged to accept it and pay the agreed price therefor. Generally speaking, there may be said to be two classes of cases in which the question as to whether or not a person has fulfilled a contract to the satisfaction of another arises. One class is where a person by his contract agrees to do some work which appeals to the personal taste or sensibility of the individual with whom he contracts, and the other class of cases, in which he contracts to perform some work which is capable to be shown by mechanical demonstration to be a properly completed work. We are of the opinion that the case before us comes under the first class, and in such cases, if in fact the party is not satisfied with the work, he may reject it and is not liable on the contract. As to the other class of cases, we have several decisions in the State of New York holding that if the party should in reason be satisfied with the work performed, and it can be demonstrated that the work is properly done, the law will presume him to be satisfied, and he will be liable for the contract price. The decision of the Massachusetts Courts upon this subject seems to indicate that even in matters of mechanical appliances, if the party is acting in good faith, and declares that he is not satisfied, the contract cannot be enforced against him.

## Insurable Interest in a Person's Life.

QUESTION: Kindly inform me whether I can take out a valid insurance on the life of any person whom I may select. A man of about thirty years of age is my debtor to the extent of about \$3,000, and he has agreed to allow me to take out an insurance policy on his life if I will defer the collection of my claim until his death. Kindly advise me whether this would be a valid agreement.

REPLY: In answer to your question as to whether or not you could take out a valid policy of insurance on the life of another person, we would answer in the negative. A person cannot take out insurance on the life of another person unless the person taking out the policy has some insurable interest in the life of the person to be insured. It has been held that a child has an insurable interest in the life of a parent, and it has also been held that a creditor has an insurable interest in the life of his debtor. We are, therefore, of the opinion that the arrangement which you suggest as to your debtor, and as to your holding a policy of insurance upon his life, would be valid.

## Missouri Retail Stove and Hardware Dealers' Association.

The Missouri Retail Stove and Hardware Dealers' Association will hold their annual convention at St. Louis Feb. 18 and 19, 1902. They will make their headquarters at the Lindell Hotel and the place of meeting will be at the Mercantile Club rooms, Seventh and Locust Streets, in that city. A fare of one and a third has been secured from the Pennsylvania Railroad, date of sale Feb. 15 to 21, good to return up to March 1. Parties attending meeting should buy ticket to St. Louis and secure certificate from agent, which when signed at St. Louis by the secretary of the association, will insure a return ticket at one-third fare. The St. Louis dealers have appointed a committee on arrangements, consisting of F. A. Kansteiner, August Steinmeier and G. A. Pauley, to make arrangements for the forthcoming gathering.

The following excellent programme has been arranged:

TUESDAY.

Meeting called to order at 10 a. m.

President's address.

Secretary's report.
Paper—"Association Loyalty," Taylor Frier, Louisiana.

2 р. м.

Address, M. L. Corey, Secretary National Retail Hardware Dealers' Association.

Paper—"Are Retailers Adjusting Their Methods to Twentieth Century Conditions?" H. F. Wright, Lebanon.

Paper-"Is Cooperative Buying Practical?" Aug. Steinmeier, St. Louis.

Question box.

Executive session.

WEDNESDAY.

Paper—"Store Character, or the Value of a Business Reputation," Louis Herring, Blackburn, Mo.

Address-R. W. Shapleigh, ex-president of the National Hardware Association.

Election of officers.

Resolutions.

2 р. м.

Co-operative Insurance—General Discussion.

News from the field.

Paper--"Evolution of the Hardware Business-1850-1901," William Kansteiner, Hannibal.

Executive session.

## New England Hardware Dealers' Association.

The annual meeting of the New England Hardware Dealers' Association will be held at the Quincy House, Boston, on Wednesday, Feb. 12th, promptly at 5 o'clock p. m. Dinner will be served at 5:30 o'clock p. m. The business meeting will take place immediately after the dinner.

There will be an election of officers. No special speakers have been invited. The subject of discussion will be "The Outlook of the Association." Several prominent speakers will express their views.

Nominating committee: Samuel H. Thompson, Lowell: Edward A. Loomis, Providence, R. P.; William D. Parlin, Natick; Henry M. Sanders, Boston; Anthony S. Morss, Bos-

Entertainment committee: E. Loring Richards, Boston; Calvin M. Nichols, Dorchester; James F. Mackay, Brookline.



## The North Dakota Retail Hardware Associatino.

The programme of the Fifth Annual Meeting of the North Dakota Retail Hardware Association, to be held at Fargo, N. D., February 19 and 20, has just reached us, and we present the details herewith. It is very evident that the meeting will prove to be one of the best ever held by this progressive Association. The Souvenir Programme issued by C. N. Barnes, the indefatigable secretary, is a magnificent affair, one of the most ambitious we have seen, containing as it does revised lists of the various State Associations and portraits of many of the prominent officers, which must have taken a great deal of industrious and painstaking application to bring to so successful an issue. The following is the programme in detail:

> WEDNESDAY, FEBRUARY 19. Morning Session, 10:00 A. M.

Payment of Dues.

Address of Welcome, by Mayor Johnson.

Response by President H. T. Helgesen. Roll Call of Members.

Enrolling of New Members.

Appointment of Committees.

Question Box Discussions.

Afternoon Session, 2:00 P. M.

As much of this session as may be desired will be devoted to the Jobbers, Manufacturers, and their traveling salesmen, for discussion on matters of mutual interest.

Enrollment of New Members and Payment of Dues.

Paper, "Fakes and Fakirs, or Leg Pulling," by H. B. Allen, Jamestown.

Jobbers', Manufacturers' and Traveling Salesmen's Dis-

cussions.

Paper, "Some Difficulties Hardware Dealers Have to Contend With," by H. F. Emery, Fargo.

Question Box Discussions.

THURSDAY, FEBRUARY 20.

Both Sessions this day for Members only.

Morning Session, 10:00 A. M.

Payment of Dues.

President's Report.

Secretary's Report.

Treasurer's Report.

General Discussions.

Afternoon Session, 2:00 P. M.

Report of Nominating Committee.

Election of Officers.
Paper, "One Way to Compete with Supply Houses," by

O. A. Gallup, Edgeley.

Paper, "Dealers' Associations, Their Effect and What They May Accomplish," by Jas. McPhail, Langdon.

Paper, "The Practical Hardware Man," by L. B. Hanson,

Sheldon.

Reports from Other Committees.

Question Box Discussions.

Adjournment.

## Minnesota Retail Hardware Association.

Secretary Thomas McCracken, of the Minnesota Retail Hardware Association, has made public the programme for the annual meeting to be held in the Ryan Hotel annex, St. Paul, Feb. 26, 27 and 28. Merchants will see by a careful perusal of the programme that many good things are in store for them if they can find the time to attend this meeting. A number of able papers will be read at that meeting, and there will be many other interesting features.

It will afford a vacation period at a time of the year when the merchant can leave his business under the most favorable of circumstances and will freshen up his mind for the activity consequent upon a heavy Spring trade.

A fare of one and a third is made to all merchants attending this convention over all railroad lines in the State of Minnesota. A merchant purchasing a ticket to the convention at St. Paul should secure a certificate from his local ticket agent and upon presentation of this certificate at the convention hall it will be duly certified and will be good returning at one-third the regular fare. Tickets sold under this plan are good for three days previous to the opening of

the convention and three days following adjournment. This makes them good for nine days all told, and dealers coming in to visit their local jobbers or to carefully investigate the situation will have plenty of time in which to look after these outside matters as well as attend the convention.

Secretary McCracken is at work on a souvenir programme which will be issued to members and which is intended to be one of the finest ever gotten out by an association in the United States. This programme is already in the hands of the printer. It contains the following:

WEDNESDAY, FEB. 26.

11 a.m. Meeting of executive committee.

2 p. m. Roll call. Address of Welcome, Mayor Smith, of St. Paul.

Response, A. T. Stebbins, of Rochester.
Remarks, ex-President P. E. O'Brien.
Paper, T. T. Bacheller, "Possibilities of Trade Organization.

Announcement of committees:

On insurance, on resolutions, on grievances, on press.

Secretary's report.

Treasurer's report.

Voluntary remarks by members.

THURSDAY, FEBRUARY 27.

9 a. m. For members only.

Payment of dues (20 minutes).

Election of officers.

Report of Committee on Resolutions.

Talk on Insurance, President C. A. Hatch.

Papers by members.

New business.

### AFTERNOON SESSION.

2 p. m. Open meeting.

Paper by P. W. Lyon, Minneapolis, "The Three Essentials."

Paper on "Advertising," by M. DeMotte, St. Paul.

Opening of question box—discussion.

Report of committees.

Banquet, Ryan Hotel, evening Feb. 27, 8 p. m.

FRIDAY, FEBRUARY 28.

9 a. m. Open meeting.

Question box.

Remarks by jobbers and manufacturers.

Remarks by members of press.

Remarks by traveling men.

Next meeting of the association.

Adjournment.

The afternoon will be given to visiting points of interest in the city.

## Tribute to the Drummer.

The Philadelphia Times said, editorially: "It is not the nicest word in the language, but the drummer seems to fit the man who is after business, and with Americans who like to save time, it is preferable to the commercial traveler. It is better than promoter, because, whether justly or unjustly, we need not discuss, a promoter is generally considered as one who is after more than a legitimate profit transaction. The drummer gives values for favors received. And he does a great deal more than that. He is the best agent of our modern civilization. He is the missionary of enterprise and the promulgater of knowledge. He stimulates laggard communities, supports the world's hotels, saves the railroads from annual bankruptcy, distributes the newest facts and keeps old stories moving. There is in his speech some of the best action of the times. He seldom hedges. He wastes little time. He goes to the point. He has purpose. The world's professional orators might sit at his feet with profit. And if he could make his methods prevail in England the pictures of the House of Lords and the House of Commons would not show two-thirds of the members napping while some honorable gentleman has the floor.

The first daily morning newspaper was the Daily Courant, London, 1709.

## One of the Most Important American Industries.

The factory of the Bissell Carpet Sweeper Co., who in 1901 closed the largest year in the history of their business, report the opening of 1902 as being even more promising. They state that the month of January this year was the heaviest by far of any January in their history. The result of their sales at both the Grand Rapids Furniture Exposition and the New York Furniture Exposition just closed has been very gratifying.

The Bissell Co., which claims to be the largest concern in the world, manufacturing carpet sweepers exclusively, was founded by M. R. Bissell in 1876. In 1884 the entire plant was swept by fire, with a loss of \$150,000. While the plant was still burning Mr. Bissell rented a small factory, and in the afternoon of the same day of the fire men were at work cutting lumber for Bissell sweepers. Nineteen days after the fire they commenced shipping again and worked two crews, running twenty-four hours a day for several months. The factories to-day contain over 156,000 square feet of floor space, or about three and a half acres, and over four hundred people are employed. The capacity of the plant per day is three thousand regular domestic-sized sweepers and four thousand

## HARDWARE PATENTS.

The following list of Patents, Trade Marks and Designs of interests to the Hardware trade are furnished by Davis & Davis, Solicitors of American and Foreign Patents, Washington, D. C., and St. Paul Building, New York City.

PATENTS EXPIRED JAN. 27, 1902.

311,198. Automatic Weighing Scale, P. Morrison, Maquon, Ill.

311,202. WRENCH, W. L. Parker, assignor one-half to E. McDowell, Spartanburg, S. C.

311,241. Saw Vise, H. Flater, assignor one-half to W. Carlin, Findlay, Ohio.

311,248. Calipers, S. A. Jellett, Philadelphia, Pa.

311,288. SASH FASTENERS, W. Brown, Duncannon, Pa.

311,307. Door Spring, W. Gillfillan, New Haven, Conn.

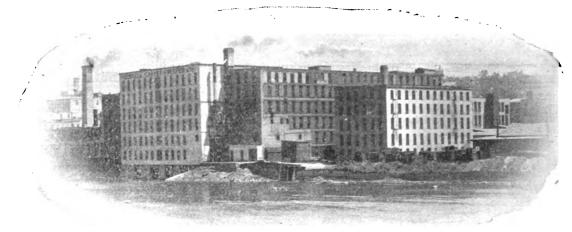
311,308. COMBINED TWEEZERS AND SCREW DRIVER, C. E. Glessner, Boulder, Colo.

311,435. Saw, A. Lord, assignor to W. H. Hankin, Brooklyn, N. Y.

PATENTS ISSUED JAN. 28, 1902.

691,757. LEAF HINGE, W. M. Gamble, Chicago, Ill.

691,758. Sprinkling Attachment for Hose Nozzles, G. Gay, Spokane, Wash.



toy sweepers, or five regulars and six and a half toys per minute for ten hours per day. A Corliss engine of three hundred and fifty horse-power, supplemented by water power equivalent to 100 horse-power units, furnishes the power. company has its own electric lighting plant, with a capacity of twelve hundred lights, 16 candle power. They are the largest consumers of 23/4-inch bristles in the world. To make the brushes used in Bissell sweepers annually it requires the entire product of 10,000,000 hogs. This many hogs standing in line one after the other would reach half way around the earth. It is claimed by the company that over 85 per cent. of the world's output of regular-sized sweepers and over 98 per cent. of all the toy sweepers are represented by their product. The automatic machines used in the Bissell factory, and which have been designed and built by their own mechanics are a great source of interest and pleasure to the hundreds of dealers who visit them annually. The Bissell company have their own large well equipped printing offices in Grand Rapids and London, where they turn out some of the finest specimens of the printers' art. Bissell sweepers have taken awards and medals for superiority in all the leading expositions that have been held from 1884 down to the present time, including the last two Paris Expositions and the Pan-American Exposition, at which gold medals were awarded them. As well as the Bissell Co.'s home office and factory, located in Grand Rapids, Mich., they have a branch office and warerooms in New York City; London, Eng.; Paris, France, and Toronto, Canada, with additional branch factories in Toronto, Canada, and Paris, France. The officers of the company are: Mrs. M. R. Bissell, president; T. W. Williams, vice-president; R. E. Shanahan, secretary; Maurice Shanahan, treasurer; F. M. Deane, cashier.

691,801. KETTLE OR DISH SCRAPER OR CLEANER, W. Palmer, Canton, Ohio.

691,811. PRUNING SHEARS, C. W. Reed and H. Hakel, Hood River, Oregon.

691,838. Spring Hinge, M. C. Bersted, Chicago, Ill.

691,867. CAN OPENER, P. E. Law, Wilmette, Ill.

691,965. COMBINED DUST PAN AND BROOM HOLDER, J. Ormsby, Bolton Landing, N. Y.

PATENTS EXPIRED JAN. 20, 1902.

310,873. Toy Spring Gun, M. Bradley, Springfield, Mass.

310,892. PERMUTATION LOCK, C. Hill, Los Angeles, Cal.

310,959. Tool Handle, W. Nunley, Newark, N. J.

310,983. SASH HOLDER, F. Burmeister, Cleveland, Ohio.

311,077. Roller Skate, A. L. Kitselman, Ridgeville, Ind.

311,136. BENCH PLANE, C. L. Mcad, New York, N. Y.

PATENTS ISSUED JAN. 21, 1902.

691,348. Sash Lock and Lift, T. Berquist, St. Croix Falls, Wis.

691,410. Toaster, B. K. Schmertz, Pittsburg, Pa.

691,419. LAWN SPRINKLER, A. Vandervoort, Belleville, Canada.

691,520. LATCH, G. E. Ballard, Philadelphia, Pa.

691,651. Spring Hinge, M. A. D. Kincaid, Dallas, Texas.

## Death of William F. Herre.

William F. Herre, buyer and stockholder for the firm of Morley Brothers, Saginaw, Mich., died suddenly at that place on Thursday, January 30th, in the forty-fifth year of his age.

Mr. Herre had been in the employ of the above firm for many years, and was highly regarded by all of his associates. His genial personality was well known to the manufacturers and jobbers all over the country.

## HDWE. MERCHANTS' & MFRS.'ASSN. OF PHILA.

The sixteenth annual dinner of the Philadelphia Hardware Merchants' and Manufacturers' Association was held at the Hotel Bellevue on Thursday evening, Jan. 30th, upwards of 100 members and invited guests being present. An informal reception was held in the hotel parlors previous to the dinner by President-elect William C. Peters. The rooms were very appropriately decorated in a striking manner with American flags, evergreens, etc., while the tables were largely decorated with roses, carnations and ferns. In addition a large number of souvenirs were noticeable, which had been furnished by a number of the leading concerns in Philadelphia, among which may be mentioned Henry Disston & Sons, Enterprise Mfg. Co., of Pa., G. & H. Barnett Co., North Bros. Mfg. Co., Thomas Devlin & Co., McCaffrey File Co., Star Lock Works, Miller Lock Co. and Sheble & Klemm. An exceedingly attractive menu card was one of the features of the occasion, exhibiting considerable skill and novelty of design in the getting up of the same. It was folded together and fastened with a hasp and a spring lock, which required some little ingenuity to open. The outside cover indicated a door, from which a turkey was suspended, and a small nickel-plated hatchet adorned the cover on one side. At the top, embossed, was the inscription "Sixteenth Annual Dinner of the Hardware Merchants' and Manufacturers' Association of Philadelphia, Thursday evening, January 30, 1902, Hotel Bellevue."

The places at the speakers' table were occupied by the following:

Fayette R. Plumb, John R. Griffith, Thos. Hobson, Ellicott Fisher, Jas. H. Ritter, Samuel Disston, John Sparhawk, Jr., William C. Peters, T. James Fernley, Rev. J. R. Davies, D. D., Chas. B. Adamson, H. B. Lupton, Chas. M. Biddle, Thos. Devlin, T. Henry Asbury, Irby Bennett, A. Eugene Bolles.

The remainder of the members and guests filled the other tables. In the absence of the retiring president, Hugh McCaffrey, Secretary-Treasurer T. James Fernley presided. Rev. John R. Davies, D. D., pastor of the Bethlehem Presbyterian Church, was called upon to open the proceedings by invoking the Divine blessing. Mr. Fernley was unimitable in his role of president. He read the honor roll of the past presidents of the association, and then introduced the next, William C. Peters, of James M. Vance & Co. He was received with long-continued applause, and the singing by those present of "For He is a Jolly Good Fellow." Mr. Peters responded to the remarks of Mr. Fernley by an address, from which we make several extracts:

## PRESIDENT PETERS' ADDRESS.

Fellow members of the Philadelphia Hardware Merchants' and Manufacturers' Association: To you I desire to express my appreciation of the honor you have done to me in electing me to the office of president.

ing me to the office of president.

The pleasure arises from my appreciation of you, fellow jobbers; from my esteem of you and the friendship we have for each other, much of which is due to the years of intercourse in our association, and from my high regard for you, manufacturers, whose business and names are so well and favorably known throughout our broad land, and who have made a splendid reputation for Philadelphia made tools. I remember you in your early days—your humble beginnings—and have watched your growth to the magnificent developments of the present.

The United States limits have not been a limit to some of you, but, sweeping across the seas, you have entered foreign lands and challenged for merit, utility and adaptability the long established products of Europe. Many years before the present era of our extraordinary efforts in exports some

of you were quietly (Philadelphia-like) pushing out and planting your business in Europe, also to South America and the Orient. To you, therefore, is due high honor as successful pioneers.

Therefore the honor of being your president is a reflected honor, belonging not so much to one whom you choose to fill the office as to the worth, the ability and the persevering enterprise of the membership.

Our association is unique, for it is not of merchants only or of manufacturers only, but comprises both merchants and manufacturers. This is an annual combine. Our mutual contact and the expression of ideas from our opposite standpoints has broadened our views, has made us more considerate of each other and wiser in our methods, and furnished a good example of "how good it is for opponents to meet together in unity."

The address of Mr. Peters was received with every demonstration of approval, and he then introduced the vice-president-elect, Thomas Devlin, who expressed his great pride in having been elected vice-president of the association, thoroughly appreciating the fact of his membership in the same, and feeling that it was one in which manufacturers and jobbers could meet in social intercourse and beneficial results invariably follow. Letters from invited guests and others were read, in which their unavoidable absence was referred to, among which were Samuel H. Ashbridge, mayor of Philadelphia; W. W. Supplee and R. R. Williams, editor of the Iron Age. After the reading of these letters by the secretary, the Rev. John R. Davies, D. D., responded to the toast "The Ministry of Merchandise" in an exceedingly interesting address, which was listened to with attention by those present, and very appreciatively applauded.

The toast "Balancing the Books," was responded to in an excellent speech by John Sparhawk, Jr.

Fayette R. Plumb, president of the American Hardware Manufacturers' Association, then delivered an address on the subject of "The Advantages of Associated Effort," speaking substantially as follows:

MR. PLUMB'S ADDRESS.

The old saying that "In union there is strength," has been fully demonstrated by this association; the results have been most marked; the Boston Hardware Association was the first to follow in our footsteps; then came the New York State Association; the Southern Hardware Jobbers' Association; the National Hardware Association; the local State associations, and last, the American Hardware Manufacturers' Association. All of these that have been in existence for any length of time have been of great service to those who are members. This applies particularly to the jobbers and retailers, especially so because the parent organization, composed of those who are present here this evening, is the only one that includes in its membership merchants and manufacturers.

MANUFACTURERS' INADEQUATE PROFITS.

It seems a great pity that manufacturers who are as intelligent and progressive as those engaged in producing the beautiful wares that adorn the magnificent buildings which are daily going up around us on every side, and who furnish the tools that are used by the best mechanics in our midst, should not receive a satisfactory return for their labor.

I boldly and positively assert that with a few exceptions such is the case. While I do not wish to convey the impression that the manufacturers are making no profit, I do claim that it is infinitesimal when we consider present conditions.

Look the country over from Maine to California and from the Great Lakes to Texas, and what are the conditions that confront us? This is a question easily answered. Unexampled prosperity in every hamlet, village and city on the entire continent; a demand unprecedented in our history; a development beyond the dreams of the most sanguine; a condition that would warrant the independent action of every manufacturer, and yet they falter; why? Because they are afraid of each other, notwithstanding the fact that their business judgment warrants them in the belief that they should have better returns for their products.

The improvements in machinery for our factories have been fully as great as the improvements in the rolling mills and furnaces, and if we had followed their methods of marketing our product the results, while perhaps not as great, would have been much more satisfactory.

THE NEEDED REFORMS.

We hope and believe that the reforms which the Executive Committee of the American Hardware Manufacturers' Association may recommend and the membership suggest will tend to correct these conditions to a great extent.

tend to correct these conditions to a great extent.

Brief addresses were also made by Irby Bennett, Merle
Middleton and A. Eugene Bolles, the entertainment of the
association being brought to a close by the singing of "Auld
Lang Syne" by all those present.

The committee in charge of the banquet consisted of Harry C. Disston, chairman; Walter E. Devlin, C. W. Asbury, Edward S. Jackson and J. H. Van Newkirk.

The proceedings were enlivened during the course of the evening by several vocal selections which were rendered in an admirable manner by Anne Elizabeth Kelley, contralto, accompanied by Ella C. Fitzpatrick, Eugene M. Tyrell, tenor; Thomas F. Hogan and James H. McCool, barytones.

## Ohio Hardware Association.

The Ohio Hardware Association will hold its eighth annual convention at the Great Southern Hotel, Columbus, Feb. 25, 26 and 27. The following interesting programme has been announced:

In Memorial.

Tuesday Evening, 8 O'clock.

Musical entertainment given by the Hardware Dealers of

Columbus.

Appointment of Committees on Resolutions, Nominations,

Question Box, Laws Relative to Hardware Trade,

Wednesday Afternoon Session, 2 O'CLOCK.

Address—"The Traveling Man"...................J. H. Smith
Of Smith Bros. Hardware Co.
Question box.

Address—"Honorable Success".................C. W. Jewell

THURSDAY MORNING SESSION.
Report of Grievance Committee. .W. P. Bogardus, Chairman

Address—"Some Hardware Don'ts".......F. A. Powers Report of Committee on Insurance..G. V. Guyton, Chairman

THURSDAY AFTERNOON SESSION.
Report of Committees on Resolutions and on Nominations.
Unfinished Business.
Election of Officers.
Selection of Place of Next Convention.

## Pacific Retail Hardware Association.

The annual meeting of the Pacific Retail Hardware Association was held on the 15th and 16th inst., at Nevada City, Cal. The gathering proved to be a pleasant and profitable one. A good representation of the membership was in attendance. Among the papers read at the meeting were: "Reciprocity in Trade," by Oscar Schulze of Dixon; "The Social Side of Business Life," by A. F. Brady, of Grass Valley; "Credits and Collections," by Thomas B. Gibson, of Woodland.

A number of jobbers and their representatives were present by invitation at the afternoon session on the 16th inst. Most of the former officers were re-elected for the coming year, as follows:

John C. White, Marysville, president. Oscar Schulze, Divon, vice-president. William Earll, Chico, treasurer.

R. W. Boyd, Marysville, secretary.

T. B. Gibson, Woodland, member executive committee.

A. F. Brady, Grass Valley, member executive committee.

It was decided to hold the next annual meeting at San Francisco. On Thursday evening a fine banquet at the National Hotel was tendered the association by the Hardware merchants and business men generally of the city. Over 100 covers were laid and the occasion proved most enjoyable. Judge F. T. Nilon presided as toastmaster. The following toasts were responded to: "The Association," Oscar C. Schulze; "Co-operation," Mon. E. M. Preston; "The Steel Industry of the Pacific," A. L. Scott, of San Francisco; "The Future of San Francisco," Andrew Carrigan; "Uncle Sam Abroad," A. C. Rulofson.

## St. John Iron and Hardware Association.

The annual dinner of the St. John Iron and Hardware Association took place at the Union Club, St. John, N. B., on the 22d ult., and was a brilliant affair. The tables were handsomely decorated and an orchestra was present and furnished excellent music during the evening. The menu was handsomely gotten up in old English style in red, black and gold. It was in the shape of a folder and tied together with ribbon to match. President S. Hayward occupied the chair and proposed the first toast of the evening, "The King," which was responded to by the singing of the national anthem. The president then proposed the toast of "Our Association," which was responded to by W. S. Fisher and W. H. Thorne. Songs were given by Wm. Greig and John Keefe. P. McMichael, vice-president, proposed the toast to "Our Sister Associations," which brought speeches from Mr. Foster, Mr. Bacon and Mr. Morris. W. S. Fisher proposed the toast to "The City of St. John," and this was responded to by Mayor Daniel, Alderman Robinson and W. M. Jarvis, president of the Board of Trade. J. P. McIntyre favored those present with a song. He was followed by M. E. Agar, who proposed the health of "The Iron and Hardware Manufacturers." This toast was replied to by P. McMichael, R. B. Emerson, W. O. Purdy, J. S. Neill and John McAvity. The toast to "Our Guests" was proposed by Vice-President P. Mc-Michael and responded to by George Robertson. George Mc-Donald proposed the health of "The Ladies," and James Harrison, Mr. Forter Mr. Foote and W. H. Thorne responded. The dinner was brought to a close with the singing of "Auld Lang Syne."



## OUR BRITISH LETTER.

(By our Special Correspondent.)

London, February 1, 1902.

The year has opened with a steady, although not very brilliant outlook as regards British commerce in Hardware and kindred trades. Business in London is quiet, yet some activity in tools is reported. There are indications of an advance in the price of American tools and merchants have placed good forward orders accordingly. Birmingham Hardware manufacturers report increasing business with South America and Canada, and several large Australian orders have been received. The retail trade in the Manchester district is not over brisk, but there are signs of activity among electrical engineers and tool makers.

The retail ironmongers in Manchester and Liverpool have been busily engaged during the past month in the formation of a County Federated Association to consist of the local ironmongers' associations of the district. A strong county association has been formed which, it is hoped, will strengthen the hands of the existing associations, help in the formation of others, and assist the work of the Central Board of the Ironmongers' Federated Association.

A very interesting paper on "American Workshop Methods in Steel Construction" was read at a recent meeting of the Institution of Civil Engineers (London) by H. B. Molesworth. He noticed the fact that many recent contracts for steel work had been secured by American firms, and also mentioned that the actual cost of labor, although individually higher, was less because of the greater quantity of work turned out. The time limit, often a bugbear to British manufacturers who are restricted in their hours of labor, is overcome in America by works running day and night. The author in summing up the cause of cheap working in the United States remarked on the clever arrangement of American works and the laborsaving appliances employed. Another important fact referred to was that science in every form is now brought to bear upon the possibilities of increased output. Superior drawing instruments make plans extremely accurate and enable work to be gauged and regulated, automatic machinery being largely employed. Railway freights are lower in the States than in England, and so manufacturers are helped in the transit of their goods to the seaboard. Such statements are interesting and satisfactory to Americans and should prove useful object lessons to British manufacturers, especially to those who are in a position to take part in the export trade between Great Britain and the United States.

America continues to hold her own in those lines of industrial trade in which her manufacturers have made a determined stand and for the production of which they have specially laid themselves out. Some recently published statistics dealing with the export of sewing machines show that America runs Germany close in the number she sends away, and from a recent issue of a German trade paper she is a thorn in the sides of the makers of sewing machines in that country. One of the recent legislative acts of the French Government is to add the monopoly of petroleum to its other commercial enterprises. This will cause the consumer to pay an increased price for its burning oil, and if this can be gauged by other French State monopolies, without any corresponding advantage to ratepayers. Generally speaking, Great Britain maintains her position in reference to both the volume and value of her trade with France. In the report by Consul-General Inglis, recently published, the imports of that country for 1900 amounted to £187,912,000, and the exports to £164,348,000. In volume the British share of the imports was 30.93 per cent. and in exports 21.76 per cent.; in value, the British share of the imports was 14.31 per cent. and of the exports 29.81 per cent.

A recent accident to the water mains in Madison Avenue, New York, owing to the reported weakness of the iron pipes used has caused some inquiry in this country as to the strength and reliability of American pipes. Several large contracts for these goods have recently passed over the seas, but if these pipes are to be placed in competition with those of English make they must be made to stand the test of the high pressure to which water pipes are often subjected in English towns.

Mr. Roberts, who for the last fifteen years has been engaged in the erection of steel works in Pennsylvania, has recently been consulted as to the best methods of reconstructing the Dowlair and Cardiff works of Messrs. Guest, Keen & Co. They, in common with several other firms in South Wales, purpose bringing their works in line with the latest and best methods of production practised in America. It is reported that as soon as plans have been decided upon alterations involving an enormous outlay will be proceeded with.

It is stated that the representatives of an American steel trust, with which Pierpont Morgan is associated, has arrived here with the intention of buying up the principal British steel manufacturers and so controlling the British steel trade. No amount has been named but many millions would be necessary to carry out so gigantic an undertaking. Some of the leading steel manufacturers here consider that they are quite strong enough to hold their own and resist any pressure that may be brought to bear upon them.

When the Central London Railway was constructed the entire plant, equipment and lifts were purchased for the United States. Some alterations are now being made involving the construction of additional lifts. These are to be supplied by R. Waygood & Co., Ltd., of London, who have secured the contract in competition with American makers.

Although American and Canadian agricultural implements are becoming very popular here they do not always come off best in trials. The recent ploughing trials at Colchester were of an interesting character. The "Kangaroo" and "Kangarookid," both manufactured by the Cockshutt Plough Co., of Brantford, Canada, were played in competition with a double furrow plough made by Ransomes, Sims & Jefferies, of Ipswich, the latter coming off victorious. Ransomes have made a wonderful record. They commenced making ploughs in 1818, and during the years that have elapsed they have built no less than 2,500 different patterns of ploughs, gradually keeping abreast of the times and adding improvement as they were desirable until they claim that their ploughs are used in every part of the world.

## Death of Eugene Dupont.

Eugene Dupont, president of the powder manufacturing firm of E. I. Dupont, De Nemours & Co. died at his home at Christiana Hundred, Del., from pneumonia. He was sixtyone years of age, and was a son of the late Alexis I. Dupont. He succeeded Gen. Henry Dupont as president of the firm after the death of the latter in 1889.

The first book printed by machinery was Blumenbach's Physiology, 1817.—The Country Editor.

## WISCONSIN RETAIL HDWE. ASSOCIATION.

The sixth annual convention of the Wisconsin Retail Hardware Association was held at the Republican House, Milwaukee, on Wednesday and Thursday, February 5th and 6th. At the hour of going to press we are without a detailed report of the entire proceedings, but are provided with the text of the annual address of the president, John Hessel, which is given almost entire.

### PRESIDENT HESSEL'S ADDRESS.

Our association is in a healthy and prosperous condition. We held our own during the past year, although we lost some members by non-payment of dues and some who retired from business. Our secretary's report will show you exactly the number gained and lost. The growth and progress of our association is closely watched by other State organizations. It seems to me that we ought to have enrolled at least 90 per cent. of the retail Hardware dealers of the State. Those that are not yet members ought to be made acquainted with our aims and objects, and what they could gain by becoming members.

In the first place the insurance is quite an item in itself. We are told that we can save at least 35 per cent. on our premiums, which is well worth considering. Right here I wish to say that I believe the Hardware dealers are paying more in proportion to their losses than the dealers in any other line. The merchant who welcomes a fire is not selling Hardware. Our risks are not so dangerous, our goods are less combustible, and yet we have to pay as much as any other line. Why is this? If we work more harmoniously together we can take this up with the insurance companies and try for better rates. I believe that they would hate to loose good customers all over the State just as much as you or I would.

Some may ask what good your organization does you? To this I would say, if it did nothing more than make me acquainted with 150 or 200 men from all over the State I would be amply repaid by that alone. But this is not all. We get together, ask questions, swap opinions, help each other solve knotty problems and "talk shop" in general. Of course if any one who pays \$2 fees expects the association to give him back \$5 he gets left.

An important item that needs your attention is our surplus fund, which ought to be invested or some plan devised to take care of it. It is largely due to our worthy secretary that we are able to show you a very handsome surplus at this time. By his earnest efforts and able management in securing advertisers for our programmes he not only procured a handsome souvenir for us, but also enriched the treasury.

The Executive Committee had one meeting in Fond du Lac last September. We have a broad field before us and a great deal remains to be done.

I understand that there is a bill before Congress called the Parcels Post bill, under which the limit of the amount of matter which can be sent by mail is extended to 200 pounds, and provides that the first 60 pounds be carried for 20 cents and for every additional 20 pounds thereafter, up to 200 pounds, 5 cents additional. This seems to be clearly a catalogue house scheme and this association ought at once to ascertain the truth, and if found to be such should fight it with all its might.

I would recommend for your consideration joining the Northwestern Association as it was a few years ago, providing that we can get it on a reasonable basis or a fair proportionate payment. Our worthy vice-president and Brother Nash may have something of interest to report regarding the National Association.

The able report of the secretary is given in full herewith: SECRETARY PECK'S REPORT.

In presenting my fifth annual report, I am glad to be able to say that I have no discouraging words to bring. The membership of your association is working along harmonious lines and during the year has nearly or quite held its own and, so far as I now recall, there have been no complaints that have not been satisfactorily adjusted. I have yet to come in contact with the first jobber or manufacturer who has not shown a disposition to treat with fairness every reasonable or just complaint.

CONDITION OF THE ASSOCIATION.

We have not accomplished all that any of us desired, but more than some of us expected, and to-day I would not belittle the influence of 300 retailers banded together loyally to accomplish any legitimate end. Our membership at this time is 273, all with dues paid to date and five of whom have paid in advance.

My work has differed but little from that of previous years. I have found enough to do most of the time to keep me out of mischief, and while at times it has been burdensome, it has had its favorable offsets, not the least of which is the cordial support that almost the entire membership have accorded to me.

In detail I would mention that on February 28 I sent out duns to 150 delinquents, and May 22, 100 of these still neglecting, I again reminded them of the fact, but up to October 8, 82 of this 100 had such a rush of trade that they could not attend to it, when, by instruction of your Executive Committee, I wrote again with notice that I would make draft on the 23d of the month if I heard nothing to the contrary. Seventeen of the 82 remitted and I made 65 drafts, as stated, with the result that I found five of the number were out of business, 24 paid the drafts, 24 remitted but refused the drafts, subjecting the association to an expense of 7½ percent. of their annual dues, 31 refused payment without excuse and were dropped from membership, as it was thought that any member not taking a \$2 financial interest in the association was beyond the pale of our benefits and probably out of reach from doing us any good. This loss of 31 was partially made up by the reception of 22 new members, so that to-day we number about the same as a year ago.

I am able to report our finances in excellent shape, as there is about \$1,200 on hand, with no debts outstanding. While there was at one time some talk of a banquet at this session, to be given by the association, it was voted down, for, as one ex-president said, it was better to have a bank than a banquet. I would suggest that it would be a good idea for the present meeting to devise or suggest the best way in which at least a part of this balance may be used in building up the association.

Some will say at once, remit one year's dues, but to this I would enter an emphatic protest, for they are now the lowest of those of any association in the country, and I believe every good member will be more interested in paying his dues than in having them remitted.

As far as I know we have lost by death but one member this year—Charles Kartak, of the Lorleburg Hardware Co., Oconomowoc, who died in October (the fourth I think), and I would suggest that our association take some action upon the same. The elements have been kind to us during the past year, as I believe but one of our number (the Marshfield Hardware Co.) have suffered from fire.

Burglars have not been as considerate, for they called upon friend Seelig, of Ripon, D. G. James, of Richland Centre. Wilkie Hardware Co., of Fond du Lac, and possibly some others, but from results I have an idea that in some cases they found the goods marked so low that they were ashamed

and refrained from dipping in very heavily.

In conclusion, I would add that I am not indifferent to the high honor you have conferred upon me in allowing me to occupy this office from the formation of the association, six years ago, and again desire to return to the membership my thanks for their uniform kindness and co-operation, only adding that if I have said or done anything I ought not to have done, I am either glad or sorry, and it is not quite clear to me which. I trust my services have been so kindly received that they will merit some attention to the request that I kindly, but firmly, make that you now transfer my salary to some better man, who, I trust, may receive the same cordial support from you that you have always accorded me.



## KANSAS RETAIL HDWE. DEALERS' ASSN.

The fourth annual convention of the Kansas Retail Hardware Dealers' Association was held at Kansas City, Kansas, January 16th. The headquarters of the association were in the rooms of the Kansas City, Kansas, Mercantile Club. On account of the illness of President Anderson, there was no pre-arranged program, and the session was occupied principally in discussing the best methods of obtaining a larger membership "getting Hardware dealers in the same town to become better acquainted with each other," and other questions of interest to the Hardware trade.

I. A. Sibley, chairman of the National Retail Hardware Dealers' Association, called while the meeting was in progress and gave a very interesting talk on the History of that Association.

In the absence of President Anderson, Vice-president Oscar Roehr presided, and addressed the meeting as follows:

### VICE-PRESIDENT'S ADDRESS.

Friends and members of the Kansas Retail Hardware Dealers' Association, greeting:

As presiding officer of this convention, the first duty I have is a sad one. It is with extreme sorrow and regret that I announce the severe illness of our president, George Anderson, of St. Mary's, Kansas. Sorrow for a personal friend, and regret that his affliction makes his absence at this meeting unavoidable.

About six months since Mr. Anderson had an attack of paralysis, which left him entirely helpless. I have a recent letter from his son, stating that Mr. Anderson is now unable, and has been for six months, to converse or communicate his ideas in any way; although, I believe that his intellect was not affected in the least by the stroke of paralysis which he suffered.

We congratulated ourselves at the last meeting when we elected Mr. Anderson, that we had in him an officer eminently equipped for the position, and who had the necessary push and energy to put this equipment into practical use for the benefit of the Association. Nor, were we mistaken. It was largely through the instrumentality of Mr. Anderson, as the head of our association, that a bill was introduced in our last legislature, licensing peddlers and venders of certain commodities, the principle item of which, as Hardware men we were interested in—being stoves and steel ranges.

Mr. Anderson, was at the Capitol continually while this bill was being debated, and worked unceasingly until the bill was passed and became a law. Undoubtedly, he had other measures in mind for the benefit of the association which his unfortunate illness prevented him from putting into effect. In his absence to-day we miss a friend and benefactor, therefore, let us all hope for his speedy recovery and ultimate return to active life.

I regret and rejoice that the year just passed has not shown any material increase in our membership. Regret for the association and rejoicing for the cause of this lack of growth. Our Hardware merchants have undoubtedly had a prosperous year, so prosperous, in fact, that they have had all they could attend to with their immediate business, and as a result, interest in association work lagged. The old adage: "Make hay while the sun shines" was never more applicable, for as surely as night follows day, business depression is bound ultimately to succeed an era of prosperity, and it is at such times, when competition grows hard and merchants inclined to become aggressive in various ways, that a strong fraternal association at your back is a mighty satisfactory ally.

Personally, I have received much pleasure and benefit as a member of this association, and have made many friends whom I prize highly. I feel strongly the honor I have in presiding at this meeting, and my only regret is that there is not a larger membership present.

We should have with us to-day at least three hundred members, and this would only be about one-third of the Hardware merchants of Kansas.

During this convention, I will ask for a short session, devoted entirely to the enlarging of our membership. I thank

you for your kind and courteous attention, and now declare the fourth annual convention of the Kansas Retail Hardware Dealers' Association, open and ready for business.

The minutes of the last meeting were read and approved. The secretary's report was then read as follows:

### SECRETARY'S REPORT.

"The past year has been an eventful one, and while the Kansas Retail Hardware Dealers' Association, has not perhaps prospered to the extent of some of the Retail Hardware Dealers' Association, in other States, we may have had more to contend with, as the general verdict is that business has been very good, in Kansas, this past year; which means that the live hardware merchant, has been kept busy, with his immediate affairs, and had very little time to think of what benefits might be derived from an association with other dealers.

Your secretary has to report that not one complaint has been received from any of our members, neither that the wholesale Hardware houses were selling goods to the consumer, nor, that the consumers were not buying good enough from them. Nor has he heard of the Steel Range people peddling their steel ranges throughout the State, as he had the year previous. Perhaps, the bill which our president worked very hard to get through the Legislature, and finally succeeded in getting it to be one of our laws, may have had some effect toward stopping them.

(The text of the bill requiring pedlers to take out a license was then read by the secretary and met the unqualified approval of the members present.)

"I do not hesitate in saying, that this pedler's license bill would not have been passed last Winter had it not been for the untiring efforts of Mr. Anderson, and if it does what we hope and intend it should do the Kansas Retail Hardware Dealers' Association may congratulate themselves; and thank Mr. Anderson that the results of the past year has been by far the best of any so far in our history, and something to be proud of."

The following committee on resolutions was appointed by the chair:

Jas. H. Hamilton, Arkansas City, Kans.; T. H. Kiniry, Beloit; F. W. Bartlett, Kansas City, Kansas.

Committee on resolutions reported as follows:

Resolved, That it is with great sorrow that we learn of the sad affliction to our president, Mr. George Anderson, of St. Mary's, Kans., and extend to him our heartfelt condolence and hope for his speedy recovery.

A vote of thanks to the Mercantile Club of Kansas City, Kansas. We extend our sincere thanks for the use of their very comfortable rooms for our meeting.

The secretary was instructed to send out a circular letter to all retail Hardware dealers in the State, and try and interest them in our association.

The following officers were elected for the ensuing year:

President, Oscar Roehr, Topeka, Kan.

Vice-President, E. J. King, Logan, Kan.

Secretary and Treasurer, J. A. Cole, Topeka, Kan.

Executive Committee, F. W. Bartlett, Kansas City, Kan.; T. H. Kiniry, Beloit; J. M. Walters, Robinson; James H. Hamilton, Arkansas City; T. J. O'Neil, Osage City.

"I don't know," cried the Excited Feminine Voice in the Darkness, "whether you are my husband or a burglar, but I'm going to be on the safe side and shoot."

"I found a good bargain in men's shoes to-day," said Jorkins, after he had picked everything on the supper-table to pieces. "You have had better luck than I ever had," retorted his wife.—Ex.

## Cooper & McKee's Extensive Plant.

Cooper & McKee, whose plant extends from 113 to 121 Gwinnett Street and from 146 to 154 Middleton Street, Brooklyn, N. Y., covers twelve city lots in the heart of the manufacturing district of that important city. The main office of the firm is at 113 Gwinnett Street. A very fair idea of the size of the firm's factory can be gained from the illustration which is shown in connection with this article. They have just published their new illustrated catalogue for 1902, describing in full their new and attractive lines of Refrigerators, showing the large number of up-to-date features embodied in the improved construction of these household necessities. This old and reliable manufacturing concern was

popular by this company, fully illustrated and described throughout, and added to which will be noticed several new productions, which include Union Foot Cycle Skates for men, made of the best grade of cold-rolled Swedish steel, and having a lever clamping device heel and toe, the same as applied to the American Club pattern of ice skates. The skate has rubber tires, which make a noiseless skate for use in halls or rinks, and for use on rough floors where hard-wheel skates cannot be used. As these skates are provided with two wheels instead of four, the rubber tires prevent slipping, and for fancy and trick work are claimed to be unequaled. When required for outside or sidewalk use, the Hemacite tire is recommended by the manufacturers. These are also made in



COOPER & McKEE'S EXTENSIVE PLANT.

established in 1880, and since that time has built up a large and successful business that has reached the number of upwards of 25,000 refrigerators annually. The line of refrigerators at present manufactured by this company embodies so many improvements as to make it necessary for us to devote to another notice the important features embraced in the catalogue, covering as it does a line of Glass-lined Refrigerators of entirely new and novel construction, the "New Columbia" Hardwood Refrigerators, the "Champion" Hardwood Refrigerators, "Household" Refrigerators and a line of Refrigerators built expressly for flats and apartment houses, as well as special Refrigerators intended for restaurant or delicatessen shops and grocers; also butter, fish, fruit and nursery varieties.

## Union Hardware Co.'s New Catalogue.

Union Hardware Co., Torrington, Conn., and represented in New York by Tower & Lyon, 95 Chambers Street, have just issued their 1902 catalogue of Roller Skates, which forms a 38-page pamphlet entirely devoted to this particular branch of their production. Included in its contents will be found all the old patterns of Roller Skates that have been made sizes suitable for the use of ladies and children, or for those wishing support for the ankle, having heel straps in addition to the clamp and leather toe fastener. The heel straps are provided with a broad instep piece, which is an entirely new feature. The straps being swiveled at the heel, follow the motion of the foot, and are consequently worn with the greatest ease. Among the new productions must also be mentioned the All Clamp Ring Roller Skate. It combines all latest improvements in design and manufacture, and is an advance of any similar production offered the trade. Trucks are oscillating, with best rubber cushions, and a turn can be made in a three-foot circle. The clamps are of the best design, and are made under a recent patent by which they hold the shoe like a vise. These are also made in women's sizes, having the latest improved strap referred to above as part of their equipment. Altogether this is an important little catalogue, and should be asked for if not already in the possession of our readers.

"How do you want this part to run?" asked the barber.

"I don't want it to run at all," replied the man in the chair; "in fact, I don't want anything in my hair that runs."—Ex.

## RECENT TRADE PUBLICATIONS.

Brass Goods Mfg. Co., 86-92 Third Street, Brooklyn, N. Y. Pamphlet satalogue of 140 pages, embracing in its contents the numerous articles in brass and bronze Hardware manufactured by this important company, which includes in its variety large lines of Builders' Hardware, Cabinet Hardware, Refrigerator Hardware, Chest Trimmings and Box Trimmings. The company is also prepared to make special goods to order in quantities for any manufacturing concern desiring the same. This catalogue illustrates the largest and most complete assortment of the class of goods referred to that has ever been shown the trade, covering as it does Box Hinges in large variety of every description imaginable; Strap Hinges, Box and Side Stop Hinges, Card Table Hinges, Quadrant and Support Hinges, Strap and Fancy Hinges in very large assortment, and Flap Hinges, Refrigerator Hinges and Latches, Refrigerator Fasteners and Locks, Cupboard Turns, Drawer Pulls and Handles and a very complete Builders' Hardware division of the catalogue, covering the usual plain styles of Door Knobs and Escutcheons, etc. The catalogue also includes Box, Chest and Stair Corners, Corner Plates, Brass Brackets, etc.

UDELL WORKS, Indianapolis, Ind. 36-page pamphlet with attractive cover, in which is exhibited the great variety of woodenware goods manufactured by this well known concern, which includes Folding Tables, Medicine Cabinets, Commodes, House Furnishing Woodenware, Ladders, etc. This catalogue is fully illustrated with excellent wood cuts printed on coated paper. Every article is fully described and list prices are furnished on a separate sheet. Medicine cabinets are shown in a large variety of styles and sizes, from the plainest to the handsomest, some of them being of extremely pleasing designs. Bathroom Cabinets and Commodes are also shown in large variety, and in popular designs. Folding tables are well represented in a number of styles and several methods of adjustment. Folding Steps are given, Toilet Trees, Kitchen Cabinets and Kitchen Woodenware, including Towel Rollers, Brush Handles, Clothes Props, Wash Benches, etc. Included in the contents are noticed a number of Grocers' Display Stands for brooms and brushes, several varieties of Ladders, Patent Rope Reels, forming a very desirable assortment of salable goods.

Monarch Refrigerator Works, Burlington, Vt. 56-page catalogue of the Monarch Cleanable Dry Air Refrigerators, being their illustrated catalogue and price list for 1902, covering their line of Domestic Refrigerators, Sideboard and Water Cooler Refrigerators, Grocers' Refrigerators, Ice Chests, etc. A handsomely printed catalogue in colors on excellent paper, and with fine wood cuts illustrating all the many improvements and advantages that have been embodied in the construction of this desirable line of Refrigerators. Full descriptions are given throughout of the special advantages referred to above, and reference is made to the handsome line of solid oak refrigerators shown on a number of pages which are furnished in a rich golden oak and lined with polished nickeloid, a new metal that is as bright as silver, and one that it is claimed will not tarnish nor oxidize, and when soiled can be cleansed with soap and water, and its brightness and luster restored by slight rubbing with a soft, dry cloth. From a sanitary standpoint this is regarded as being a fine line of goods at a very moderate price. This is a catalogue which should be in the hands of every Hardwareman handling these goods.

NORTH BROS. MFG. Co., Philadelphia, Pa. This company is noted for their artistic publications in the way of envelope. size catalogues and others for the extension of their business. We have before us the "Yankee" Tool Book No. 4, with embossed cover, 28 pages, envelope size, in which they give a full description of the Ratchet Screw Drivers in large variety with which the name of "Yankee" is inseparably connected; also the "Yankee" Chuck with drill points and Automatic Drill in several styles and varieties. These goods are extremely salable and should be found in every Hardware stock. In addition to the "Yankee" Tool Book, they are distributing at the present time their 28-page catalogue with handsome bronze embossed cover, covering their line of Ice Cream As this company manufacture the "Lightning" Freezers. and the "Gem" among the most popular Freezers on the market, these goods are shown in a large variety through the contents, being illustrated in a very artistic manner with half tones, showing them in all the different styles and sizes, with crank only, and also with fly wheel. Included in the contents is the line of Freezers marketed under the name of the "Blizzard," which are recognized as very salable Freezers at a popular price; also the "Crown" double-action, for use in hotels, restaurants, boarding houses, etc. Separate pages are given to the listing of Packing Tubs of every size necessary for the extension of the Freezer trade; also "Steel-Clad" Packing Cans, both round and flat bottom; the "Rapid" Ice Breaker, for use in freezing ice cream for confectioners, bakers, etc.; "Lightning" Ice Chipper, which is calculated for family use, or a larger size of the same for hotels and res-

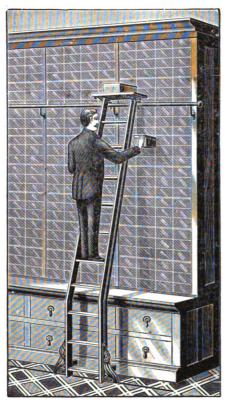
WILLOUGHBY FORK & Mfg. Co., Willoughby, Ohio. 1902 catalogue of 62 pages, handsomely printed in two colors on coated paper, and illustrated with fine half-tone engravings in the highest style of art, fully describing and showing the high grade of goods which form the production of this company. The contents embrace a full line of Steel Goods, both heavy and regular, which are manufactured under the several names that constitute the trade-marks of this company, the "Willoughby" grade representing the best products and bearing the Willoughby Fork & Mfg. Co. label. Second-quality goods are designated as "National" grade, and these are desirable, well made and finished, and supply a demand for less expensive goods, and are marketed with the National Mfg. Co. label. The cheapest grade of goods they designate as "Ohio" grade. These are manufactured to meet the demand for lowpriced forks and bear the Ohio Tool Co. label. The catalogue is very full in its description of how the goods are made and put up in the various styles, lengths and sizes. List prices are given throughout, to which the customary discounts will apply. The assortment is certainly a very large and important one, and embraces in its extent about everything that would naturally come under the title of Steel Goods, including heavy goods as well, in addition to the regular, such as Mill, Street and Manure Forks, Coke Forks, Coal Forks, Stone or Ballast and Quarry Forks, Stone Picking and Beet Forks, Vegetable Scoop and Barn Forks. Cottonseed Forks are made in both styles required by the trade, "Scoop-Shaped" or "Flat with outside Tines turned up;" also Sluice, Tanners' and Oyster Forks. We mention these especial lines to show how complete the catalogue is, and how large a production is already placed on the market by this company sc recently established.



## NEW GOODS AND SPECIALTIES.

### Bicycle Store Ladder.

Bicycle Step Ladder Co., 64 Randolph Street, Chicago, Ill., have for a long time made it their exclusive business to manufacture store service ladders. They manufacture this laborsaving fixture in a variety of styles, each of which is popular in certain localities. This particular feature of a Hardware store convenience is in general use, so much so that it will not be a great while before a large majority of the houses doing a successful business will be fully supplied with facilities of this character. The most advantageous style for a house to select is one that is simplest in its adjustment and use. The machine that possesses the fewest loose parts and the least number of wheels, provided it will do the work, is

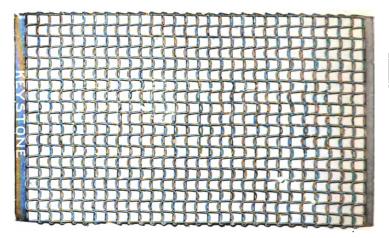


BICYCLE STORE LADDER.

the one that commands the closest attention. In order to save labor, the ladder should work easily and should also be substantial, safe, neat in appearance, and practically noiseless. The bent floor track Bicycle Ladder which we illustrate herewith as one of their productions, is said to meet all these requirements. It is made of selected hard wood, finished in natural color, and with nickel-plated or japanned mountings, as ordered. The track for these ladders is placed on the floor entirely independent of the base, and for this reason this style is preferred by many buyers to any other, particularly where the base shelf is narrow. The track needed for the floor is but 3-16 of an inch in height, and under the circumstances forms no obstruction. It is provided by a simple device which entirely prevents it from going off the track unless it is lifted off. In addition to this particular style which we illustrate, the Company are constantly building ladders to meet some special requirement, not only in this pattern, but in their other standard patterns. They desire correspondence on the subject from our readers, giving details of possible requirements, and they are prepared to make ladders of any kind of wood, and in any finish desired, even including elaborate carving and the finest possible finish.

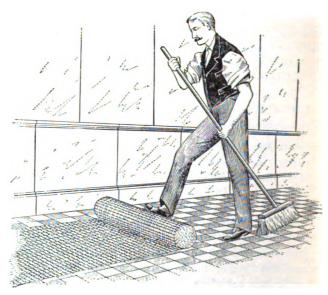
## Keystone Flexible Steel Matting.

Keystone Steel Matting Co., 524 Fourth Avenue, Pittsburgh, Pa., whose advertisement will be found in another column in this issue, are engaged in manufacturing a very complete and desirable article in the way of flexible mats and matting, which have become exceedingly popular wherever



KEYSTONE FLEXIBLE STEEL MATTING.

introduced. The construction of the Flexible Steel Mat is unique, providing as it does against all possible objections previously raised to any form of matting. It is made of galvanized flat steel bands 1-16 of an inch thick by % of an inch deep, hinged together with galvanized steel rods. This form of construction has many advantages. It gives increased durability, a noted resilience, meaning in this case comfort to the foot, and this indicates its value as a bar matting and for soda fountains. It is self-cleaning, removing as it does



KEYSTONE FLEXIBLE STEEL MATTING.

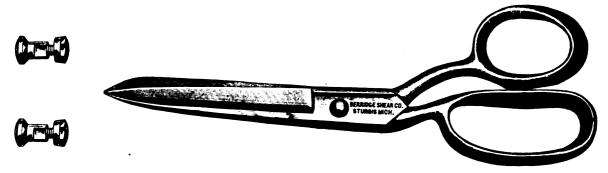
mud or snow from the shoes, scraped in every direction, and loses the dirt as quickly as it gathers it. Its reversability is a good point in its favor. The manufacturers call attention to the fact that the stiffness of many old styles of metallic matting is obviated in the construction of the Keystone, from the fact that it may be picked up and rolled as easily as a mat of the simplest construction of other material. The dealer, if Keystone Steel Matting forms a portion of his stock, by purchasing it by the roll in any width, is enabled to

cut mats of any size required by his patron, without the necessity of sending to the factory for mats of special dimensions. The manufacturers would be glad to furnish any possible information.

## Berridge Improved Shears.

Berridge Shear Co., Sturgis, Mich., represented in New York city by W. M. Bowes, 127 Duane Street, are introducing the greatly improved Shear which we illustrate in this article. It is provided with one of the latest and most important improvements in connection with shears in general use that has of late been brought to the attention of the dealer. We present in connection with the larger cut an illustration

calculated to stand the most severe and constant use. It is designed to wring all kinds, shapes or sizes of mops. It is also adapted to wring all kinds of unclean clothes without the necessity for touching them with the hands. A pair of pincers may be used to draw them through the rollers. The perfect results obtained by the aid of this household appliance is referred to by the manufacturers as being an improvement on wringing a mop the old way, which by twisting with the hands leaves the dirt in the centre of the mop, while by the aid of this appliance not only is the water excluded in the proper manner, but at the same time it carries with it all impurities, leaving the mop in condition for future use.



BERRIDGE IMPROVED SHEARS.

of the Berridge cone-bearing Lock Nut and Bolt, which is furnished with their full line of straight and bent trimmers, barbers' and bankers' shears, etc. It is claimed to be one of the simplest and most durable devices ever used for the purpose, as it absolutely prevents the movement of the nut on the thread of the bolt. In using an ordinary nut it is claimed there is a constant tendency of the nut to turn upon the bolt and become loose, which is caused by the end thrust of the bolt, that is to say, by constant pressure exerted upon the base of the nut, tending to separate the nut from the bolt. This is claimed to be overcome by the use of this new improvement, in which all necessary allowance for the contraction and expansion of the bolt is provided for.

## Beech Patent Mop Wringer.

Beech Novelty Co., Mansfield, Ohio, are placing upon the market through the Hardware trade the Beech Patent Mop Wringer, an illustration of which we give herewith. It is constructed from what is considered the best material for the purpose; providing as it does cedar pails, having seasoned



BEECH PATENT MOP WRINGER.

maple rolls, solid brass springs, steel chain and side bars, wrought iron foot holds and levers, and, completing the equipment, two small pulleys of cast iron. These are all put together with screws, and the entire weight for shipment is eight pounds. The pails are put together with wire hoops sunk in grooves in the wood and welded by electricity. The wire springs are protected by iron guards from catching in the mop. In fact, the whole affair is substantially built and

## Gloekler's Refrigerator Door Fastener.

Bernard Gloekler, 1127-1133 Penn Avenue, Pittsburgh, Pa., is the manufacturer of the Refrigerator Door Fastener No. 0, illustration of which is herewith given, and which is claimed to possess a number of advantages that make it a very desirable article for cold storage purposes as well as for a refrigerator appliance. For cold storage purposes it pos-



GLOEKLER'S REFRIGERATOR DOOR FASTENER.

sesses the desirable feature of operating either on the inside or the outside of the door, and is so constructed as to be used successfully on either right or left hand doors. It is manufactured in the following sizes: No. 0, for large, heavy door 10 inches thick and less, having a length of lever of 16 inches; No. 00, for small, light door 6 inches thick and less, length of lever 16 inches; No. 1, large door, length of lever 14 inches; No. 2, medium door, length of lever 11 inches, and No. 3, small door, length of lever 81/2 inches. Nos. 1, 2 and 3 operate on outside only, while No. 0 and No. 00 operate inside as well as outside. They are guaranteed to give satisfaction under all circumstances. Mr. Gloekler manufactures, in addition to these desirable Door Fasteners, a full line of brass and nickel-plated Refrigerator Hinges of the conventional style; extra heavy Refrigerator Hinges having a heavy loose pin and knuckle, and the strap made in such a way that it will not sag; and Refrigerator Latches in a variety of styles for swing windows. He is also the manufacturer of the Eclipse Door, for refrigerators and cold storage rooms, possessing a number of advantages for the purpose, that he should be glad to forward information regarding, upon application.

## M. S. Benedict Manufacturing

### OFFICERS:

M. S. Benedict, - - - President. E. H. Banker. - First Vice-Pres. John D. Allan, - Second Vice-Pres. Harry L. Benedict, Sec'y and Treas.

## Company,

MAKERS OF ....

**DIRECTORS:** 

M. S. Benedict, Harry L. Benedict, E. H. Banker. Thomas Dunn,

Fred K. Stickle.

## Silver-Plated Ware and Metal Goods.

ESTABLISHED 1883.

GENERAL OFFICES: EAST SYRACUSE, N. Y.

INCORPORATED 1902.

INCLUDING

## M. S. BENEDICT M'F'G CO.. HAMILTON M'F'G CO..

BENEDICT-CLARKE SILVER CO., BENEDICT-DUNN CO.

- M. S. BENEDICT, President of the Corporation, will have general supervision of the entire business, and the Company will have the benefit of his valuable experience, which covers a period of nearly a quarter of a century.
- E. H. BANKER, First Vice-President, takes charge of the Sales Department, and our force of 35 traveling salesmen. Mr. Banker was formerly President of the Hamilton Manufacturing Company.
- JOHN D. ALLAN, Second Vice-President, will be located at the Chicago branch of this Company,

and will have the management of the office and warehouse in that city. Mr. Allan was formerly Secretary of the Hamilton Manufacturing Company.

- HARRY L. BENEDICT, Secretary and Treasurer, will have the management of the general offices and factories at East Syracuse, N. Y.
- THOMAS DUNN will have supervision of our flat-ware plant, and will give it his exclusive at-
- FRED K. STICKLE will continue the management of our novelty plant at Ottawa, Ill.

The officers and directors are men thoroughly versed in the successful working of their various departments, which means that the business will be managed on broad and aggressive lines.

With our increased facilities we will be enabled to manufacture on a larger scale than ever before the two well-known brands of "Benedict" and "Hamilton" Silverware, and each line will be represented by its own force of salesmen as indicated.

## OUR SALESMEN AND THEIR TERRITORY:

## Benedict Line.

Geo. J. Fisher, New York City. C. T. Ahlborn, jobbing trade, Indiana, Ohio and Michigan. Newton Owen, jobbing trade, West of Chicago.

John Weinhelmer, Maine, Massachusetts,
Vermont and New Hampshire.
C. H. Osmun, Michigan and Indiana.
Harry Osmun, Michigan and Indiana.
John Bailey, West Pennsylvania and W.
Va.

va.
C. C. Graham, New York State.
H. H. Simmons, Pennsylvania, New Jersey and Maryland.

H. L. Roberts, Southern States.

## Benedict Line.

E. W. Gilmore & Bros., Dominion of Canada.

M. Marcuse, England and the Continent. W. A. Van Patton, Ohlo.

C. E. Auchampaugh, New York City.

E. E. Richards, Missouri and Nebraska.

J. W. Brooks, Wisconsin.

J. C. Ryan, West of Denver.

T. J. be Vry, California, Arizona and New Mexico.

A. W. Spotts, Chicago.

J. B. Renker, jobbing trade, Chicago.

W. E. Wirt, Kansas.

C. B. Rockwell, Texas and Louisiana.

J. C. Kelley, Minnesota and Dakotas.

H. L. Hoffhelmer, Iowa.

H. L. Hoffheimer, Iowa.

## Hamilton Line.

O. D. Irwin, New England States.

O. D. Irwin, New York States.
G. E. Routh, New York State.
D. M. Banker, Pennsylvania, New Jersey and Delaware.
J. W. Holloway, Wisconsin. Minnesota, South Dakota and Michigan.

C. F. Gottschalk, Illinois and Indiana.
C. A. Hurst, Iowa, Nebraska and North Dakota.
C. C. Lake, Colorado, Kansas and Missouri.

R. M. Peare, Ohio.
W. A. Morey, North and West of Denver.

Hollow Ware Factory: Novelty Factory: Flatware Factory: Chicago Office and Warehouse: New York Office: Toronto Office: East Syracuse, N. Y. East Syracuse, N. Y. 109-111 Wabash Ave. 409 Broadway. 50 Bay Street. Ottawa, Ill.

## REVIEW OF THE MARKETS.

Wire Nails: On January 30th, as was anticipated, an advance in the price of Wire Nails was announced, making \$2.05 a minimum price for carload lots, f. o. b. Pittsburgh. The market has since been greatly strengthened by this additional stiffening given to current prices, and less disposition to throw away profits, made possible by advancing conditions, is evident in the trade. The present market is represented by the quotation of \$2.05 to \$2.10 f. o. b. Pittsburgh, plus actual freight to destination.

New York. Representatives of the mills are firm at advanced quotations as recently adopted, although some disposition is shown by jobbers to make an occasional concession. Carloads on dock are quoted at \$2.30; small lots from store \$2.30 to \$2.35.

Cut Nails: On February 1 the price of Cut Nails was reduced by Eastern manufacturers 10 cents a keg in order to make more of a natural difference in price from Wire Nails than has been the case for some time. This has had a beneficial effect, and improved the demand for this staple. Quotations are as follows: f. o. b. Pittsburgh, plus the actual freight to point of destination, terms 60 days, or 2 per cent. off in 10 days:

New York. The change in price has increased the demand for Cut Nails, and the following prices represent the local market for quantities stated.

| Carload lots on  | dock           | \$2.08 |
|------------------|----------------|--------|
| Less than carlos | d lots on dock | 2.13   |

Barb Wire: Orders continue heavy and deliveries not so prompt. It was deemed inadvisable to make any change in price of Barb Wire at the time the other advances were announced. Consequently prices remain for quantity lots as previously quoted, as follows:

| To jobbers   | in carload lots, Painted        | \$2.60 |
|--------------|---------------------------------|--------|
| 4            | " Galvanised                    | 2.90   |
| 44           | less than carload lots. Painted | 2.65   |
| 44           | " Galvanised                    | 2.95   |
| To retailers | in carload lots, Painted        |        |
| 44           | " Galvanised                    | 8.00   |
| 44           | less than carload lots, Painted | 2.80   |
| 44           | # Colmonicad                    | . 10   |

Ellwood & Baker Wire is 5 cents, and Washburn & Moen Glidden is 10 cents per 100 pounds higher than the prices above named.

Plais Wire: On January 30th, when Wire Nails were stiffened in price, Plain Wire and Fence Staples were also advanced 5 cents per 100 pounds. The demand continues excellent, and the market is a very firm one. Present quotations are as follows, f. o. b. Pittsburgh, terms 60 days, or 2 per cent. off for cash in 10 days:

| Pian                                        |                |
|---------------------------------------------|----------------|
| To jobbers in carload lots                  | <b>\$</b> 2.35 |
| To jobbers in less than carload lots 2.0    | 5 2.40         |
| To retailers in carload lots 2.10           | 2.45           |
| To retailers in less than carload lots 2.20 |                |

The above prices are for the base numbers, 6 to 9. The other numbers of Plain and Galvanized Wire take the usual advances, as follows:

| 6  | to 9      | Bas    | e       |      |       |   |   | <br>    | \$0.40 | extra. |
|----|-----------|--------|---------|------|-------|---|---|---------|--------|--------|
| 10 |           | \$0.05 | advance | over | base. |   |   | <br>    | .40    | 44     |
|    |           |        |         |      |       |   |   |         |        | 44     |
|    | and 121/4 |        | 44      | 44   | **    |   |   | <br>• • | .40    | 44     |
| 13 |           | 25     | 44      | 44   | 44    |   |   | <br>    | .40    | 66     |
| 14 | *****     | 35     | **      | 44   | **    | ٠ |   | <br>    | .40    | 44     |
| 15 |           | 45     | **      | 44   | **    |   |   | <br>    | .75    | 44     |
|    |           |        | 44      | 44   | 66    |   |   | <br>    | .75    | 64     |
| ī7 |           |        | **      | 44   | **    |   |   |         | 1.00   | 44     |
|    |           | • •::= | 44      | 44   | 44    | • | • | <br>    | 4.00   | 44     |

For even weight bundles, 50 pounds and over, 5 cents per bundle advance on above.

Carriage Bolts, Machine Bolts, &c.: At their meeting held recently the associated manufacturers of Carriage Bolts, &c., made an advance on nearly all lines of about 7½ per cent. A revised list on Common Carriage Bolts was also adopted to become operative February 1. The revised discounts are as follows, subject to the usual quantity discount to the large trade:

| Common Carriage Bolts                                  | per | cent. |
|--------------------------------------------------------|-----|-------|
| Machine Bolts, with H.P. or C.P. Plain Nuts65 and 71/2 | per | cent. |
| Machine Bolts, with C. & T. Nuts                       | per | cent. |
| Machine Bolts, without Nuts65 and 7½ and 10            | per | cent. |
| Machine Bolt. Blank                                    | per | cent. |
| Bolt Ends, with H. P. or C. P. Plain Nuts65 and 10     | per | cent. |
| Bolt Ends, with C. & T. Nuts65                         | per | cent. |
| G. P. Coach Screws                                     | per | cent. |
| Cone Point Lag Screws                                  | per | cent. |
| Skein Screws                                           | per | cent. |
| Forged Set Screws and Tap Bolts                        | per | cent. |
| Plow Bolts and Guard Bolts60                           | per | cent. |
| Washer Head Coach Screws                               | per | cent. |
|                                                        |     |       |

Copper and Brass Products: The fluctuating quotations on Ingot Copper will doubtless have a tendency to make prices on Copper and Brass Wire and Soldering Irons have advanced from the lower quotations recently prevailing, and conservative quotations form a feature of the present market, as the outcome cannot be definitely anticipated.

Carpet Sweepers: The following are the present quotations on Bissell Toy Sweepers, subject only to discounts for quantity:

| "Little Daisy"    |     |   |   | <br>  |   |   |   |   |   |       |   | <br> |       |   | ٠, | 31.50 | per  | dos. |
|-------------------|-----|---|---|-------|---|---|---|---|---|-------|---|------|-------|---|----|-------|------|------|
| "Dahr"            |     |   |   |       |   |   |   |   |   |       | _ | <br> | <br>_ | _ |    | 2.00  | per  | GOZ. |
| 44C/h 11.4a**     |     |   |   |       |   |   |   |   |   |       |   |      |       |   |    | 2.00  | IMIL | uos. |
| "IT Ittle Beauty" |     |   |   |       |   |   |   |   |   | _     |   | <br> |       |   |    | 3.00  | per  | gos. |
| "Little Queen"    |     |   |   |       |   |   |   |   |   | <br>_ | _ | <br> |       |   |    | 5.DU  | Det  | uos. |
| "Tittle Towel"    | • • | • | • | <br>• | • | • | • | - | - | Ī     | Ī |      |       | _ |    | 6.00  | per  | dos. |

Cordage: The Rope market, although a firm one, remains without change. We continue the quotations named previously, which may be said to represent the market:

|                              |     | Cents. |
|------------------------------|-----|--------|
| Manila, 7-16 inch and larger |     | . 18   |
|                              |     |        |
| inch and 5-16                | • • | . 121  |
| Sisal, 7-16 inch and larger  |     |        |
| 12 inch and 5-16 inch        |     | 10%    |
| Lath Yarn, medium and coarse |     | . 83   |
| Jute Rope, No. 1             | • • |        |
| No. 2                        |     |        |

Liasced Oil: The following quotations are the latest announced by the Dean Linseed Oil Co.:

In lots of less than 5 barrels.....64 cents per gallon. In lots of 5 barrels or more......63 cents per gallon.

The five-barrel price applies only to deliveries of that quantity at one time.

Boiled Linseed Oil, 2 cents per gallon higher than Raw. Calcutta Oil, 85 cents per gallon.

## THE PHILADELPHIA TRADE.

Although midwinter business is in very good volume and there seems to be an excellent demand for goods, which are going into consumption as fast as obtained, and, while buying has been very free for the last two years, we greatly doubt whether stocks are much above the average, as, from the character of the orders, and the demands for "rush" shipments, it is quite evident goods are not bought for speculation but for immediate consumption.

The demand for staples—such as wire nails, wire, poultry netting, wire cloth, etc., seems to be considerably above the average, and it seems most unfortunate that everyone—from the jobber who handles the goods in large quantities, to the dealer who cuts it up, and sells it by the square foot—should be, apparently, trying on how close a margin they can sell the goods. There seems to be no legitimate reason why

ITAIN, CONN., U

## Carpenters' Tools. **Improved**

SOLD BY ALL HARDWARE DEALERS.

these lines should not afford a living profit to every one who handles them.

Already, there is not only a prospect of shortage, but on some of these goods shipments are greatly delayed, and there appears to be no reason whatever why every one handling them should not have a fair return for his labor.

The market is very firm. The scarcity of steel seems to be growing more pronounced, and higher prices are constantly being published, although manufacturers feel that they are working on margins which are altogether too close.

Everything seems to point towards a good trade for the coming Spring, with probably the same trouble in getting goods as was experienced during the year 1901.

BIDDLE HARDWARE Co.

## THE CLEVELAND TRADE.

Better and better is all that can be said of trade conditions. The fruition of the most hopeful is being realized. Every body is happy to find that the good times are not followed by depression. Thanks to the big combination we are not in a boom. Prices are very firm, with slight advances and that makes trade lively. Extremely high prices are serious injury to trade. Some of the small users of Pig Iron find it difficult to get supplies as not a car is for sale here for present delivery. But the thousand tap per day furnaces ought to overtake consumption soon. If the Inter-Ocean Canal can be built without a public scandal it will be an honor to this country. It is fortunate that we have a President with stalwart integrity to commence the work and get it well under way, and it is hoped Congress will give him extensive powers in its construction, so that it may be managed with wisdom and integrity, for the magnitude of the expenditure is sure to attract the attention of speculators. If we can give the world an example of intelligent, honorable and economical construction, it will be a lasting honor to Republican Government.

Let Congress give the President an opportunity to do for

### Situation Wanted.

COST CLERK.—Young man, experienced and able to install a complete "Cost of Production System." Highest references and bond given. Address "Systematist," care Hardware, 275 Broadway. New York

For Sale.

MODERN EQUIPPED PLANT for manufacturing Hardware specialties and Mechanics' tools, including all dies, patterns, etc. Elegant opportunity. Near New York market. Address A. J. N., care HARDWARE, 275 Broadway, New York.

## TO SUPERSEDE EMERY CRAIG MINE CRYSTAL CORUNDUM.

WHAT THEY SAY ABOUT IT.

BRADLEY & HUBBARD, Meriden, Ct.—"After making careful tests of your No. 24, 70, 100 and 140 (Craig Mine Crystal) Corundum on leather covered wheels, polishing cast iron, am pleased to inform you it is the best abrasive we have ever used. It will polish at least twice as much work as any emery we have ever tried; cuts very fast, and leaves a fine, clear finish.

INTERNATIONAL SILVER CO., Factory "G," (Formerly Norwich Cutlery Co.)—"We have been using No. 40 (Craig Mine Crystal) Corundum steadily for six months, and we find that it will do just double the work that any other emery that we have ever had will do, and that it is impossible to burn a (knife) blade with it which is a great advantage to us as all emery will burn, and consequently draw the temper. We are using finer grades with equal results. \* \* \* We would recommend Corundum, not only on account of the saving, but the work is very much more satisfactory."

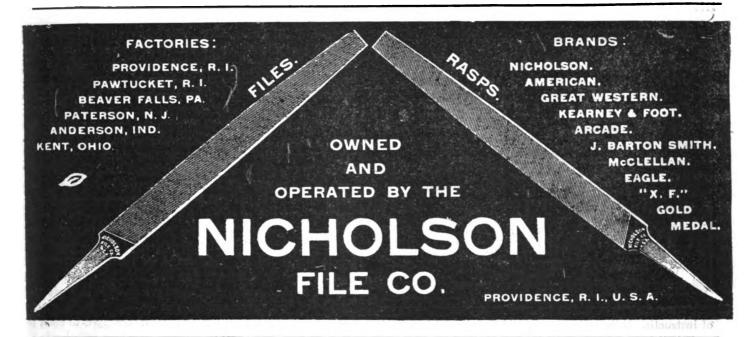
LOBDELL CAR WHEEL CO.—" Is entirely satisfactory. \* \* \* Cuts well and seems to be very pure."

Emery is an impure form of corundum. It is about 30 per cent. corundum, and 70 per cent. oxide of iron, non-crystaline alumina, etc. The 30 per cent. cuts; the 70 per cent. rubs and burns.

Labor is the chief item of expense in manufacturing. If you use much emery you will make a large saving by using Craig Mine Crystal Corundum in its stead. It is the only pure corundum produced in North America.

Send us a sample order.

THE CANADA CORUNDUM CO., LIMITED, TORONTO.



republicanism this high honor, and no American will be compelled to blush at the International celebration held in honor of its completion.

THE LOCKWOOD-TAYLOR HARDWARE CO.

## THE PITTSBURGH TRADE.

January was a good month, sales ahead of same month of 1901, and a great many orders for future shipment taken that will swell the sales later on. From the condition of the order books of all manufacturers about Pittsburgh, we should have a record breaking year, all have their capacity filled for months ahead and many for the full year. In spite of the demand many items remain at quite low prices, in fact, some makers say there is little if any profit in their goods, and yet they cannot get more, as competition keeps price down. The same is true of some items in the jobbing trade. In such times as the present there is no reason why all should not have a fair profit, the demand justifies it, and competition that will not allow a profit when there is trade enough for all is silly. Our city has been stirred up over a sensational jail breaking episode in which two murderers under death sentence escaped by the connivance of the jailer's wife, and were shot to death in the adjoining country by officers. No one need read sensational novels when such matters fill the daily papers. Truth stranger than fiction. Weather conditions are seasonable, collections good, and prospects favorable.

LOGAN-GREGG HARDWARE Co.

## THE ST. PAUL TRADE.

We can but feel that we are getting an unusual amount of business as each mail comes in loaded with orders from our traveling men as well as from customers direct. Our January sales have been larger, by a great deal, than any January we ever had. The retail dealer knows that he will have a large Spring business, and the wise ones are providing for it by early buying, and he is wise, because there is now and will be a scarcity in some lines. The advance made on wire and nails has caused a feeling of possible advances, or at least no declines for the first six months, and the report of sales of all kinds of steel is having the effect of a desire to get covered before further advances take place. We have all we can do to get our orders filled, which is unusual, but we enjoy this unusual condition.

C. W. Hackett Hardware Co.

## THE CHICAGO TRADE.

Our sales during the month of January were largely in excess of what they were a year ago, and everything points to a corresponding increase for the present month. Orders for all lines have been coming in thick and fast, and we have been kept unusually busy for this time of the year.

The market, particularly on staples, is very stiff, and the tendency for advances is growing daily. While there have been two advances recently on Wire and Nails, we look for additional advances within the near future. As far as we can learn, all of the factories are full of orders, and while there is already a scarcity of some goods, it is growing worse daily. We feel that when the Spring season opens up, it is going to be a question of goods considerably more than of price. Some of our customers are undoubtedly taking advantage of the situation, to judge of all the early orders that are coming in for Spring goods, requiring immediate shipment. There is already quite a great deal of activity in the Builders' Hardware line, and Shelf goods are also going out very freely.

Wells & Nellegar Co.

## THE COLUMBUS TRADE.

Orders for immediate shipment are small just at present. Most of the season goods, such as Steel Goods, Screen Wire, and Poultry Netting, have been bought to be delivered later. Judging by the size of orders placed it is evident merchants anticipate a good trade, and every indication points to a realization of their hopes.

We are having genuine Winter and more snow than usual in this vicinity. The skating has been fine for the past month or more and most stocks of skates are well cleaned out. The recent advances on wire and nails have hurried many a merchant to place his order. Profits have not been satisfactory on these articles. In fact, jobbers would be as well off to pass orders at prices quoted by some: but wire and nails, along with a number of other articles, are always sold for glory. Per cent. of profit is not considered, but the same profit per keg, whether nails cost 90 cents or \$3.00, seems to be the rule and still we all seem to be happy. May we always feel that way.

The Smith Bros. Hardware Co.

## THE OMAHA TRADE.

An extremely cold wave has continued over this section for the past ten days or two weeks, and has temporarily made some difference in the movement of goods; but January business was very largely in advance of any January that we ever had before and the conditions prevailing seem to indicate a prosperous season, the only possibility of any shortage in volume appearing to be the inability of the manufacturers to supply the goods. From all indications there never was a time when manufacturers were so pushed to fill their orders or take anything like reasonable care of their business, as at present, and it is to be hoped that they are exercising during this period of prosperity a little better judgment than some of the jobbers, who appear to be disposed to go on the idea



of instructing their salesmen to get business, making a profit on it if they can, but under any circumstances get the business.

In view of the difficulty experienced in securing goods and the large demand for them, it would be fair to suppose that a greater degree of conservatism than existed in some quarters would be shown by the jobbers in marketing their goods. But in a general way prices are firmly maintained, and while the margins are not all that we would like to see, they are probably made up by the increased volume of business. Considerable anxiety exists in the West regarding the future of barbed wire. The demand from the ranges for a few years past has been unusually large and the greater part of this has been used in fencing government land. Should a decision be reached that these fences come down, instead of the movement of barbed wire into that territory there will be a lot of it for sale and some of the dealers are exhibiting considerable anxiety in regard to the outcome.

This letter goes to you under a new name, but this is the only change. Everything is the same except the name, and having used the same one for 31 years, we thought it time to make a change.

WRIGHT & WILHELMY Co.

## NOVA SCOTIA TRADE.

Halifax, Jan. 23, 1902.

I have been in this country for nearly a week and am quite pleased with the outlook. I landed in Yarmouth after a not enjoyable trip from Boston, as I had some conceit taken out of me on the way up. I had always prided myself on my ability as a sailor, but I went down to the enemy and capitulated as gracefully as possible. On arrival at Yarmouth I had expected to see the customs officer, but we had an extra visitor—the doctor—who insisted on vaccinating all who did not have a certificate or a sore arm. I got through the ordeal safely, and then passed to the next. He seeing the large line of samples wanted to go to the custom house with me. I persuaded him if I sold my samples I would lose my means of livelihood and was permitted to enter. I found E. K. Spinney was in Europe, this making his twenty-eighth trip to the old country for the purpose of buying goods. This is the only one so far whom I have found doing that. In years gone by nearly all did it, the Hardware merchants being able to secure all the goods needed now either of Canadian or American manufacture. Trade has been good in Yarmouth the past year and merchants look forward to another good year. From Yarmouth a long ride to Windsor through the Land of Evangeline, made famous by Longfellow, who never saw the country until after his poem had become famous, and then visited it. Windsor is a good town, and quite an amount of business is done there. I put in an assortment of American goods there, and then here. On the train I met some of "the boys" who travel from Halifax, among them W. B. Ar-

thur, of W. B. Arthur & Co., who believes it is necessary in order to have a knowledge of what is going on to visit some of his trade occasionally. I found them a jolly lot, like all knights of the grip, and the time passed pleasantly. I have been visiting the trade and having them call on me, and am in hopes, before leaving, to get some very nice business. The discussion of the tariff between the two countries is frequently touched upon by the merchants, and they are in favor of reciprocity. In some cases they think free trade between the two would be the proper thing, but they have been hurt by our people and feel it. They proposed a reciprocity treaty a few years ago and were in Washington regarding it, and nothing came of it, and I have heard some say it might be a good thing to advance the tariff against the American goods, so they would be shut out entirely, and then maybe our people would listen. This would be harsh measures, but things cannot be as one-sided as they have been, and we continue to retain their good will and our prestige in their markets. Too bad our manufacturers do not make a concentrated effort and have the existing tariff arranged to meet the conditions of the twentieth century. Halifax merchants are more English than any of the provinces I visit, and take their time in doing business. Call to-day and make an appointment for to-morrow, when they will look at samples and take down prices, then the next day for your order.

J. N. LIMEBURNER.

### THE GRAPHITE TRADE.

Relative to the Graphite Trade, the demand keeps good because we ourselves keep a tight hold on all the various strings, and that brings us orders and business. Judging from the number of letters and samples we have lately received, there seems to be a growing opinion that there is a lot of money in the graphite business. As a matter of fact, the Dixon Co. has been prosperous, but it has not been due to the fact that the Dixon Co. are owners of graphite mines; that has only been an incident. During the past six months, we have received samples of graphite from all over the United States and have been advised that graphite companies have started here and there. Now the samples which we have been receiving have been without an exception worthless, so far as any of our products are concerned. It should be remembered that from 80 to 90 per cent. of all the graphite used in this country is used for crucible making, and that for crucible making up to the present time no graphite has geen found so suitable in every way as Ceylon graphite. Graphite for lubricating purposes, whether to be used dry or made up in the various oils and greases should be of flake formation-a thin, tough, durable flake; and such flake, so far as we know. has been successfully mined only at the Dixon mines at Ticonderoga. Graphite is used for very many and widely differing purposes, but to be useful graphite must be selected for that particular purpose and prepared accordingly. The user of graphite should be as careful in selecting his graphite as a builder is in selecting his woods, in making up his specifications for a house. Graphite differs quite as much as wood does in its hardness, softness, grain, etc.

Joseph Dixon Crucible Co.

## American Industries Show Big Increase.

Statistics of the manufacturing industries for the United States, as shown by the official returns of the twelfth census, were announced to-day. The summary as compared with the figures for 1890 follows:

Number of establishments 512,585; increase 44 per cent.

Capital \$9,853,630,789; increase 51 per cent.

Wage earners, average number, 5,310,598; increase 25 per cent.

Total wages, \$2,323,407,257; increase 23 per cent.
Miscellaneous expenses \$1,028,550,653; increase 63 per

Cost of materials used \$7,349,916,030; increase 42 per cent. Value of products, including custom work and repairing, \$13,519,251,614; increase 39 per cent.



You'll not have to "Go 'way back and sit down' if you sell the new

White manner and the comment of the

## Monarch "Dickeloid" Refrigerator.



The Ideal Sanitary refriger-ator with excellent cleanable features, not found in other makes.

Lined with Luminous "Nick-eloid" which "looks like silver and wears like silver."

Solid oak cases with very heavy raised panels.

A rich golden oak finish.

Polished nickel locks and

The whole make-up one of att activeness and beauty.

We also make a line of about 70 plain and fancy ash refrigerators and ice boxes, with all the up-to-date equipment, which goes to make the perfect refrigerator, besides a line of removable ice chamber refrigerators, which for real merit and elegance of finish are unsurpassed.

We are always glad to submit samples and quote prices to those interested.

Monarch Refrigerator Works, Burlington, Vermont.

TRADE WINNERS. They are the Woodman's FAVORITE. Uneedum 5 our P Business for

E. C. ATKINS & CO., Inc.

BRANCH HOUSES: New York City, 64 Reade Street. Memphis, Tenn. Atlanta, Ga. Minneapolis, Minn.

Portland, Oregon.

Factories and Home Office: Indianapolis,

## Janesville Hay Tool Go.,

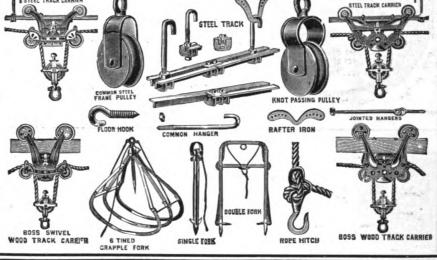
122 LAKE ST., CHICAGO.

"DEAD LOCK" HAY CARRIERS.

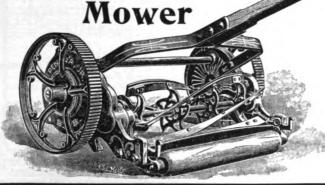
STEEL TRACK. HAY SLINGS. HAY FORKS. HOOKS, PULLEYS, &c.

We are Pioneers in the Hay Tool Business, and 20 years has demonstrated the efficiency of our goods.

SEND FOR CATALOGUE.



Pennsylvania, Jr. **Ball Bearing** 



First Award, Gold Medal, Pan-American Exposition, 1901, on our Full Line Lawn Mowers

5 Blades Self=Sharpening

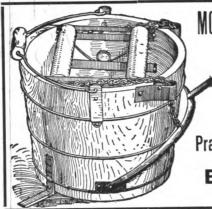
## **OUR FULL LINE**

The Pennsylvania
The Pennsylvania, Junior
The Pennsylvania Golf
The Continental
The New Departure
The Belmont
The Girard
The Girard
The Electra
The Electra
The Westfield
Pennsylvania Horse and Pony

Standard Lawn Mowers of the World Have taken FIRST prizes wherever exhibited

## Supplee Hardware Company

Largest Manufacturers of Lawn Mowers in the World PHILADELPHIA, PA.



## MOP WRINGER and

Patented June 16th, 1896

Best Cedar Pails, Seasoned Maple Rolls, Solid Brass Springs, Steel Chain and Side Bars, Wrought Iron Footholds and Levers, Cast Iron Pulleys. All put together with screws. Rolls are inside of pail, allow-ing no water to splash on floor when wringing mop.

Practical, Strong, Neat. WRITE FOR PRICES. MANUFACTURED BY

BEECH NOVELTY CO.,

MANSFIELD, OHIO, U. S. A.

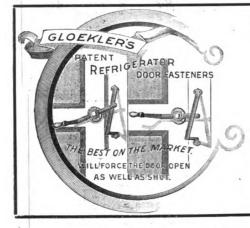
We make a specialty of making to order only, a superior quality of Cast Steel Wire Springs, either for extension or compression.

These Springs are all oil tempered and are made of an extra quality of wire drawn specially for our own use, of the same grade of stock as we use for the Springs that we put in our Spring Scales.



85 to 93 Cliff St. and No. 13 Jacob St.,

New York City. Established 1835.



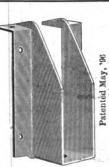
## WORKS BOTH WAYS

Fastens the door shut or forces it open. Operates on inside or outside and on right or left hand doors. Malleable iron, tinned or nickel plated. Also polished brass or brass nickel plated.

MADE IN 5 SIZES.

Ask for Catalogue and Prices.

BERNARD GLOEKLER, PITTSBURGH, PA.



NATIONAL STEEL JOIST HANGER, FOR WOOD HEADER AND BRICK WALLS.

THE NATIONAL IRON & WIRE CO.,

Structural and Builders' Iron Work.

Sole Makers, CLEVELAND, O.

CHANDLER & BARBER, F. B. HAWKINS CO., PALACE HARDWARE CO. Pacific Coast Agents, New England Agents, New York Agents, San Francisco, Cal. New York, N. Y. Boston, Mass.

## LOGAN GREGG HARDWARE CO. PITTSBURG

LARGE STOCK LOW PRICES CAREFUL ATTENTION OUICK SHIPMENT

OUR AIM

To conduct our business as Wholesale Distributors of Hardware so that both Manufacturer and Retail Merchant shall recognize the value of our service.

## Increase the Value of Your Merchandise

Dust destroys merchandise-considerable in the course of a year. The less the dust the less the destruction.

The "World's Only" Sanitary **Dustless Floor Brush** 



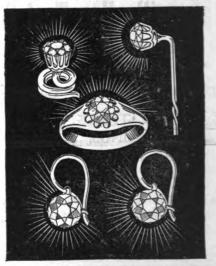
prevents dust, consequently prevents damage to stock. You'll want it to use and to sell. Write us about it.

Milwaukee Dustless Brush Co., 121 Sycamore St., Milwaukee, Wis.

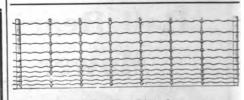
## JUSTLY CELEBRATED

## **Genuine Barrios Diamonds**

In Rings, Pins and Studs, \$1.00 each. Earrings \$2.00 per pair. Mail orders filled promptly upon receipt of price. Order now.



Barrios Diamond Co., 1139 Broadway. New York, U. S. A.



A Complete Line of Plain, Coiled or Ornamental Fences, Cates and Poultry Netting.
All kinds of WIRE at lowest prices. Goods
Standard the World Over.

THE JONES NATIONAL FENCE COMPANY, COLUMBUS, OHIO.

THE SCHWERDTLE STAMP CO., Fine Hand Cut STEEL LETTERS and FIGURES, Send for Catalogue. BRIDGEFORT, CONN.



## Simple enough, isn't it?

No complicated machinery to get out of order. All the gearing is enclosed in this ball-like frame so it is impossible to catch ice and salt. The expense of making ice cream is only the cost of the materials if you use a

## Peerless Iceland Freezer (One Motion)

It is the simplest freezer made and the easiest to turn. Three minutes is the freezing time. Much pleasanter than standing over a hot stove in hot weather, and frozen desserts are more wholesome and delicious. Write for booklet "Ice Cream Secrets" for those who know and those who don't. Gives many new receipts, as well as good old stand-bys, all easy to make.

To Remove all Doubt: If you've never made ice cream at home, or if you have had enough experience with another freezer, get a Peerless Iceland from your dealer, take it home, and if not perfectly pleased, return it, and dealer will refund your money. If your dealer hasn't it, he can get it; or write us and we will see that you are supplied. Be sure and get a Peerless Iceland. Easily recognized from above photograph; notice label.

DANA & CO., Dept A, Cincinnati, Ohio.

The Peerless Ice Chipper chips the ice properly, saves ice, saves time, saves your temper.

## Is this Ad. big enough to be seen?

It is another of a series that will appear in all the leading magazines and ladies' papers this Spring and Summer.

All of your women customers take one or more of these publications.

Don't you want to have your store identified with the very best advertising?

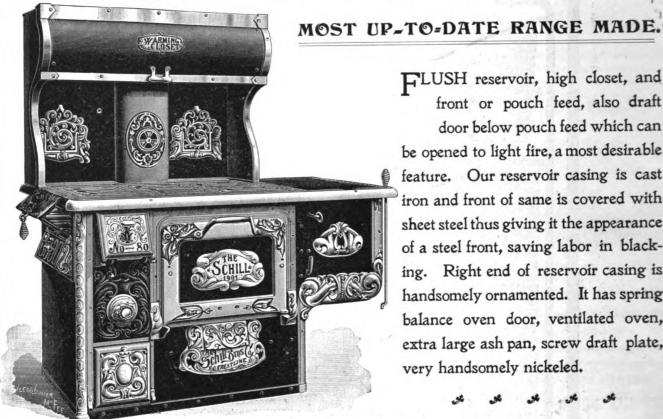
Order Peerless Iceland Freezers and Peerless Ice Chippers from your jobber early so that he can put you in touch with our advertising department. If yours doesn't handle them, see one who does, or write us and we will see that you are supplied.

New York: 10 Warren St.

DANA & CO., Cincinnati.

San Francisco: 105 Front St.

## THE NEW SCHILL RANGE.



FLUSH reservoir, high closet, and front or pouch feed, also draft door below pouch feed which can be opened to light fire, a most desirable feature. Our reservoir casing is cast iron and front of same is covered with sheet steel thus giving it the appearance of a steel front, saving labor in blacking. Right end of reservoir casing is handsomely ornamented. It has spring balance oven door, ventilated oven, extra large ash pan, screw draft plate, very handsomely nickeled.

SCHILL BROS. CO., Crestline, O.

SOMETHING NEW "STANDARD" BALL-BEARING PHILADELPHIA CASTERS.

Samples and Catalogue free.

Standard Caster & Wheel Co., 312-326 East 23d St., New York,





ESTABLISHED 1872. The R. Woodman Mfg. & Supply Co.

Railway and Mill Supplies.

Send for Catalog.

63 Oliver St., Boston, Mass., U. S. A

ARM & HAMMER" WARRANTED TEMPERED RICHT OLS ANVIL OF FORCING A SOLID FORCING

Send for DESCRIPTIVE CIRCULAR and PRICE LIST.

RV

ALL

## IWAN'S IMPROVED SERRATED HAY

Adjustable Handles, Wood or Iron Grips. Cuts hay or straw faster and easier than any other knife on the

Tool steel blades, malleable iron back. A perfect tool. Write for prices and discounts for our Post

Hole Diggers and full line of Hardware Specialties.

IWAN BROS.,

STREATOR, ILL.

One

Dozen



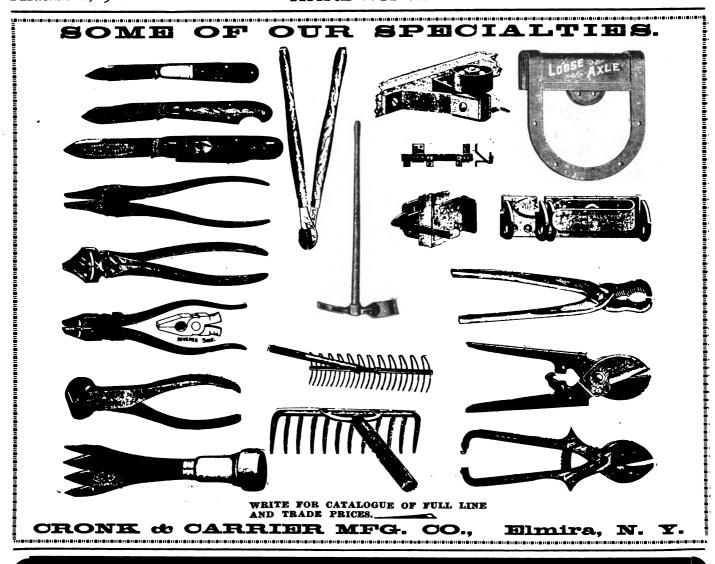
CHEAPEST and BEST DOOR STOP on the market. It holds the heaviest as well as the lightest door, can be also used as a bumper and as a Protector against Burglars.

We are also sole agents for the Improved Norton Air Door Check, Gold Bronze and Aluminum and Bronzing Liquid. Sold in any quar Sold in any quantity



The Blount Liquid Chec Telephone Call, 1754 Cortlandt.

74 Murray St. NEW YORK.



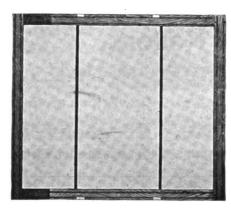
# Why Did the Sales of Phillips' "FLYER" WINDOW SCREENS

increase 6000 dozens in 1901?

Because of Smooth Machine Work.

Because of Good Materials.

Because of Prompt Shipments.



THE CELEBRATED "FLYER."

Because They stay together.

Because They adjust easily.

Because They always please the customer.

ASK YOUR JOBBER FOR THESE GOODS.

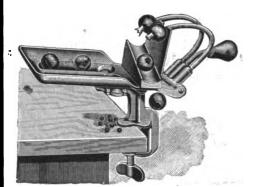
Sales for next season already 60 carloads in excess of total sales for 1901.

SEND FOR NEW CATALOGUE.

THE A. J. PHILLIPS COMPANY,

Fenton, Mich.

## The Family Cherry Stoner

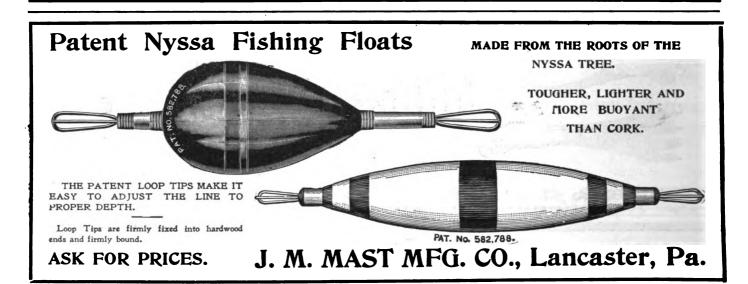


Is not a GRINDER nor a MASHER of the fruit. Takes pits from cherries, leaving them plump and round, with no waste of fruit or juice.

REGARDLESS OF PRICE, THE BEST.

N. Y. OFFICE, 10 WARREN ST.

GOODELL COMPANY, Antrim, N. H., U. S. A.



## NONE BETTER" STEEL DOOR HANGERS

Track # Stay Rollers. . Hinges # Butts.

Our Goods are all right.

Our Prices are all right.

McKINNEY MFG. GO., Allegheny, Pa.





## "SAFETY" STEP LADDER

THEY are equipped with side rails which extend 2½ to 3 feet above the top step, which makes it easy to ascend or descend, serving as a protection from falling, at the same time giving 3 feet more working space than ordinary ladders. Made from the best yellow pine lumber and put together with bolts and screws, thus insuring the strongest and best made ladder on the market.

Factory, Spring Grove Ave. and Straight St.

## **ABSOLUTELY GUARANTEED.**

Our description circular showing larger cut of Ladder with prices, etc., yours for the asking.

AMERICAN JUVENILE BED CO., Offices, No. 10 Wiggins Block, CINCINNATI,





### **MORRILL'S** Perfect Saw Sets.

Bench Stops, Punches, Cutting Pliers and Seal Presses.



This Trade Mark is stamped on all Hardware Specialties of my make.



TRADE

This Trade Mark is stamped on all Hardware Specialties of my make.

For Hand, Band and Jig Saws, from the widest made down to 1-2 inch. The Sets are too well known for me to enlarge on them.

Write for Catalogue. CHAS. MORRILL,

Broadway Chambers, Broadway and Chambers St., N. Y.

## THE BEST ROTARY **WASHING MACHINE?**

BECAUSE

is the only Rotary washer that has Revolving Steel Ball Gearing, reducing the friction and thus making machine so light running and almost noiseless.

making machine so light reasons and almost noiseless.

2.—The tub is made of Louisiana Red Cypress Lumber, cherry finish; the legs are solid with tub (not removable, breakable legs fastened with screws).

3.—The wheel turns right or left, pin wheel or dasher reverses automatically, turning the clothes back and forth through the hots ap-suds, and cleaning them without rubbing them to pieces.

4.—This washer is made by experienced mechanics, and wil out-last any other washer on the market.

5.—The tub has a wringer box fastened with steel backets.

6.—The lid on the tub closes tight, no escape of steem.

Manufactured by H. F. BRAMMER MFG. CO., DAVENPORT, IOWA.

## H. & R. Single Gun AUTOMATIC

12 and 16 Gauges.

Steel and Twiat Barrels.



Ejecting.

Simplest "Take Down" Gun made.

Superior in Design, Workmanship and Finish, and the Most Popular Gun on the Market.

## HARRINGTON & RICHARDSON ARMS CO.,

Also makers of H. & R. Revolvers,

Catalog on Request.

Worcester, Mass., U. S. A.

## Improved Natural Stone, Germ Proof, WATER FILTERS

Prevent Zymotic Diseases by pushing sale of these goods in your locality.



Every shipment contains a handsome display card.
Price lists and discounts are furnished upon application.
Manufacturers of Sanitary Stoneware of Every Description. Pottery Established 1806.

Fulper Pottery Co., Flemington, N. J.



If you're Looking for First Class **UP-TO-DATE BARROWS** ORDER THE . Champions, the All Kinds of Wood and World's Best.

Steel Barrows.

THE BRYAN MFG. CO., BRYAN, OHIO,



## HARDWARE DEALERS' RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of ents, etc., will new stores, changes, improven be gladly received, and promptly published.

## Incorporations, New Stores, etc.

Cleveland, O .- The Born Hardware Company has been incorporated with a capital rick, W. B. Stewart, R. H. Crowell, G. W. Cottrell and J. R. Murphy.

G. Estes and J. E. Johnson, of Birmingham, and N. W. Scott, of Ensley, being in- ness in Hardware and mill supplies. corporators. The capital is \$10,000 and the principal place of business is Ensley.

Fort Plain, N. Y.—Stewart & Bergen Co. has been incorporated to deal in Hardware. Capital, \$15,000, and directors: Archie Stewart, C. A. Bergen and F. H. Sticht, of Fort Plain.

Jonah, Tex.-The Jonah Hardware Co. has been incorporated; capital, \$5,000. Inson, C. M. Gates and others.

Kalamazoo, Mich.-The Hardware business of George Sperry has been incorpor- Burgiss has opened a Hardware store in ated under the name of the Sperry Hard- the Burgiss building. ware Co. with \$20,000 capital. Mr. Sperry has recently removed from the Auditorium in Portage Street to 128 West Main Street.

Norwalk, Conn.—Articles of incorporation have been filed at the office of the Secretary of the State by the Hubbard & Staples Hardware Corporation, capital \$18,000.

Marion, S. C.—A commission to the Planters' Hardware Company has been \$5,700; insurance, \$3,000. granted, of which J. G. Holliday, F. W. McKerrall and J. C. Mace are the corporators. The capital stock is \$3,000.

Marion, S. C.—A commission has been Loss, \$10,000; partially insured. granted to the Willcox Hardware Co., which is to do a general Hardware business on a capital stock of \$10,000. The corporators are Henry M. Willcox and Arthur sured. R. Craig.

Marysville, Cal.—The J. E. Boorman \$3,000; insurance, \$1,600. Hardware Co. has been incorporated and assumes business as the successor of James E. Boorman, dealer in Hardware. Hereafter the business will be managed by J. E. Boorman and his son, B. R. Boorman, at the old stand, 218 D Street. This is one of the pioneer mercantile houses of this city, having been in existence about fifty years.

Petersburg, Va.—The Stockdell-Myers Hardware Co. has been chartered. The officers are: President, John Y. Stockdell; secretary and treasurer, H. Carter Myers. \$5,000. Insured. These officers, with R. S. Gill, T. S. Heath, and W. L. Davis compose the company.

Philadelphia, Pa.-The McDonald Hardware Co. has been incorporated with a capital stock of \$100,000.

Pittsburgh, Pa.—The Joseph Woodwell Hardware Co, has been incorporated with a capital stock of \$140,000. The incorporators are Joseph R., W. C., John and E. Wood-

well. The firm of Joseph Woodwell has been doing business at 201 Wood Street for a number of years.

Pittsfield, Mass.—Fred G. Belden & Co. are to open a new Hardware store in the Young Men's Christian Association block.

company are: President, J. J. Koepsell; assets at \$4,000. Ensley, Ala.—The Ensley Hardware Co. vice-president, Mrs. Augusta Koepsell; seccompany will do a wholesale and retail busi-

> Statesville, N. C.—The Thomas Hard-Olin; R. J. Bryant, of Bryantsville, and L. and the assets \$4,360. K. Lazenby, of Marion.

1031/2 Elm Street.

Westbury Station, N. Y.-Ellsworth T. liabilities.

### Recent Fires.

Alton, Ill.-Cole Hardware Store. Loss, \$13,000.

Cumby, Tex.—R. W. Harris. Loss, \$250. ruptcy. Liabilities, \$1,200.78; assets, \$1,622. Dewitt, Mo.-T. E. Griffith.

Loss, \$10.000.

Fayette, Mo.-L. C. Toalson.

Garland, Tex.—J. M. Naylor & Sons. Glendora, La.—Shulte Hardware Co.

Goldfield, Colo.—Clayton Hardware Co.

Knobnoster, Mo.—Foster Hardware store. Leechburg, Pa.-Grant Hill. Partially in-

Linwood, Neb.-James Havlik. Loss, and treasurer.

\$25,000; insured.

Montclair, N. J.-I. Seymour Crane.

Loss, \$2,000.

Oakland, Me.-Marshall Bros.

Ossian, Ind.—A. M. White. Loss, \$3,000; insurance, \$1,800.

Ovid, Mich.-W. A. Cox. Loss, \$10,000. Syracuse, N. Y.-D. P. Plaisted. Loss,

## Burglaries.

Bristol, Tenn.-Mitchell-Powers Hardware Co. Revolvers, etc.

La Junta, Colo.—La Junta Hardware Co. Loss, \$80.

Madison, Wis.-Stephenson & Studeman. Loss, \$100.

Plymouth, Pa.—James Lee. Cutlery.

### Embarrassments.

Bloomfield Center, N. J.—The business of Samuel H. Groser, Hardware dealer, hasgone into the hands of a receiver.

Monroe, Wis.-W. A. Covill, a Hardware dealer at Albany, has made an assignment. Sheboygan, Wis.—The J. J. Koepsell His creditors have appointed a trustee, whostock of \$10,000. Incorporators: W. C. Mer- Hardware Co. has been incorporated with a will dispose of the property and distribute capital stock of \$10,000. The officers of the the receipts. The liabilities are \$9,000 with-

Montreal, Can.—Joseph Adelard Duval, has filed a declaration of incorporation, W. retary and treasurer, Arthur Koepsell. The Hardware merchant, 1313 St. Catherine Street, has assigned. The liabilities amount to \$4,494.39.

Northampton, Mass.-A statement of the ware Co. has been granted articles of incor- liabilities and assets in the case of S. W. poration. The capital stock is \$30,000. The Woodbury, petitioner in bankruptcy, whoincorporators are W. A. Thomas, E. R. was recently engaged in the Hardware busi-Simons, J. H. Wycoff and J. T. Montgom- ness in the Masonic block, has been received ery, of Statesville; W. D. Tomlinson, of by Referee Shaw. The liabilities are \$10,978

Orange, Va.—Earman & Stockdon, dealers Urbana, Ill.-E. Frankenberger has in Hardware, have made an assignment for corporated by J. M. Barrington, A. J. John- opened a furniture and Hardware store at the benefit of their creditors. The assetsare thought to be sufficient to pay all the

> Pine Grove, W. Va.—Thomas Bucher, Hardware dealer, has made an assignment in favor of L. M. Stevens. His liabilitiesare \$7,000 and his assets \$10,000 to \$14,000.

> Taylor, Tex.-G. W. Gossett, a Hardware dealer at Hare, has gone into bank-

## Miscellaneous.

Clarksville, Tenn.-The stockholders of Loss, the Clarksville Hardware Co., which was organized January 1, met recently for the purpose of electing directors and officers toserve this year. The following directorswere chosen: George S. Bowling, James T. Rudolph, W. M. Atkins, James M. Bowling and D. M. Ramey. The directors met soon. afterward and elected the following officers: J. M. Bowling, president; W. M. Atkins, vice-president; James T. Rudolph, secretary

Omaha, Neb.-The stockholders of the Louisville, Ky.—Krieger & Miller. Loss, Lee-Glass-Andreesen Hardware Co. elected the following officers at the annual election: President, H. J. Lee; vice-president, J. C. Newark, N. J.—Anton F. Mueller & Co. Lee; treasurer, W. M. Andreesen; secretary, W. M. Glass.







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BEARING THIS LABEL

You may be sure

they are the best made.

CARRIAGE VARNISHES. RAILWAY VARNISHES. PIANO VARNISHES.

**WOOD FINISHES** 

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NEW YORK, 252 PEARL ST., BOSTON, 520 ATLANTIC AVE., BALTIMORE, 22E. LOMBARD ST. PHILADELPHIA, 26 & 28 N. FOURTH ST., CHICAGO, 15 & 17 LAKE ST., CINCINNATI, 304 MAIN ST., ST. LOUIS, 112 FOURTH ST., SAN FRANCISCO, 12 FRONT ST.

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## IF YOU HANDLE VARNISH IT WILL PAY

Carpenters' Drawing Knives, Screw Drivers.

Write for Catalogue.

C.J. KIMBALL CO. BENNINGTON, N. H.

Shoe. Butcher and Kitchen Cutlery.

IT SELLS ON SIGHT!

A HOUSEHOLD NECESSITY!

THE

Dandy Shiner

> LIGHTEST! NEATEST! **MOST PRACTICAL!**

And the only rigid Shoe-holder.

It holds any size shoe perfectly rigid while being cleaned and polished with cloth or brush. High friction polish cannot be obtained by bending over the old blacking box.

The Dandy Shiner fills the bill. Has two

lasts-men's and women's; can be removed quickly when not in use; it is a splendid shoe stretcher; it is nickel plated; it is a household necessity.

The Dandy Shiner Co.,

87 Quincy Street,

Springfield, Mass.

For Sale at All Up-to-Date Shoe Stores.

Price, \$1.0

Complete with Ladies' and Men's Lasts.

Liberal Discount to the Trade.

## HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers over the country, are requested to contribute to this page. News of new factories or companies, changes improvements, etc., will be gladly received, and promptly published.

### New Incorporations, Etc.

Allentown, Pa.—Ground has been broken at Twenty-first and Linden Streets for the plant of the new Valentine Indurated Fibre Ware Co. The plant will for the present consist of four buildings. The main building will be 156 by 50 feet in dimensions and will be two stories high. The drying and indurating departments will each be one story high. The former will be 100 by 60 feet in dimensions and the latter 100 by 40 feet. The boiler house will be 25 by 36 feet in dimensions. It is expected to start up the plant about May 1st and employment will be given to about 50 men. The principal product of the works will be buckets. which will be manufactured out of wood and paper pulp put under a tremendous pressure and then made into the required shape.

Barrington, Ill.—Grebe Hardware and Harness Mfg. Co. has been incorporated; capital stock, \$15,000; incorporators, D. H. A. Grebe, Elizabeth Grebe and F. L. Waterman.

Hanger Mfg. Co. has been incorporated; capital stock, \$275,000.

Capron, N. Y.—A new industry in this place is the manufacture of buffing and polishing wheels. W. H. Devine and George Ireland, of New Hartford, with a silent name to the Safety Shredder Co. partner, have formed a company and have established themselves in the old building been incorporated to manufacture refrigeruntil recently occupied by the Capron Knit- ators. Capital, \$10,000, and directors: E. L. ting Co. The plant will be in full operation in a few weeks.

Detroit, Mich.—Herbert J. Conn, William E. Currie, John A. Mercier and William L. sociation of the Peninsular Milled Screw anon Valley Railroad. Co. Capital, \$34,000.

\$50,000 capital.

Fultonville, N. Y.—The Fultonville Mfg. Co. has been incorporated. The capital of being moved to the latter place. The busithe company is \$7,000. They will manu- ness will be continued under the firm name facture hay carriers and other machinery, of the Central Foundry and Machine Co. The directors are R. A. Brace, D. F. Conable and J. A. Cross.

been incorporated; capital, \$50,000.

Hoopeston, Ill.-Hoopeston Horse Nail Co. has been incorporated; capital, \$2,500; incorporators, James A. Cunningham, A. H. Trego and William Moore.

with the register of deeds. The new company is capitalized at \$10,000, and headed more hands will be employed. by I. Newton Simpson, F. V. Simpson and J. B. Bacon. It is organized for the manufacture and sale of washing machines, the wholesale cutlery business with William Hardware specialties, etc.

Rochester, N. Y.—The certificate of incorporation filed with the county clerk by the Case Manufacturing Co., of this city, gives the object of the concern as the manufacture of special tools, dies and machinery, the capital as \$30,000 and the directors as Charles V. Case, William Horscheler and Frank E. Pulver.

### Changes and Improvements.

Cleveland, O.—The Champion Rivet Co. has purchased nine acres of ground at Parnassus, Pa., where a rivet plant to cost \$200,-000 will be erected.

Crawfordsville, Ind.—The Crawfordsville Wire and Nail Co. have notified the Secretary of State of an increase in its capital stock from \$50,000 to \$100,000.

Evansville, Ind.—The Indiana Stove Works has notified the Secretary of State of an increase in its capital stock from \$100,-000 to \$150,000.

Hartford, Conn.-Work will shortly be started at the corner of Charter Oak Avenue and Union Street on a new factory building to be erected by the Atlantic Screw Works, of which David Tilton is the proprietor. It will be constructed of brick, one and two stories in height, 50 by 200 feet.

Martin's Ferry, O.-The Laughlin Nail Co. has decided to build at once an addition Bowling Green, O.—The Tew Shade to their present modern and up-to-date plant at Martin's Ferry. Two more mills will increase their present capacity just onehalf.

> New Castle, Ind.—The Safety Corn Husker and Shredder Co. has changed its

> New York, N. Y.-E. L. Gallon Co. has Gallon, Benjamin Notkins and C. H. Gallon, of New York City.

Reading, Pa.—The Reading Iron Co. has begun work on the one-story laboratory Caswell and others have filed articles of as- building at Greenwich Street near the Leb-

Reading, Pa.—The National Tool and Detroit, Mich.-W. H. Anderson & Sons, Machine Co., 15 South Front Street, has tool manufacturers, have incorporated with been consolidated with the Central Foundry and Machine Co., Cherry and Carpenter Streets, and the plant of the National is Extensive alterations are being made in order to accommodate the needs of the con-Geneva, N. Y.-Geneva Cutlery Co. has solidated concern. A large and modern machine shop is one of the additions which is being made.

Terryville, Conn.—The Eagle Lock Co. will build a large factory as soon as the warm weather sets in. Their already large Menasha, Wis.—Articles of incorporation plant will be added to by at least fifty per for the Simpson Mfg. Co. have been filed cent. The new structure will be 60 by 260 feet and will be four stories high. Many

Toledo, O.-Dr. C. T. Whinery, dentist, has given up his practice and will enter into H. Maher.

### Recent Fires.

Cleveland, O.-Danielson Machine & Tool Co., 83-85 Lake Street. Loss and cause unknown.

Memphis, Tenn.—The plant of the H. Wetter Mfg. Co., one of the largest stove foundries in the South, has been destroyed by fire. The loss probably will reach \$250,-000, covered by insurance.

Rochester, N. Y .- A four-story brick building at 15 Caledonia Avenue, occupied by the Rochester Machine and Screw Co., has been totally destroyed by fire.

### Miscellaneous.

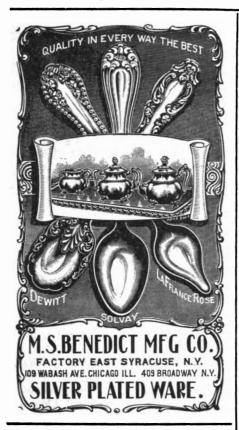
Auburn, N. Y.-At the annual meeting of the stockholders of the Ohio Tool Co. the following directors were chosen: Dr. F. P. Casey, Willard E. Case, John M. Brainard, of Auburn; William P. Beardsley, of Oswego, and P. W. Huntington, of Columbus, O. The directors met and elected Dr. Casey president and Mr. Beardsley secretary. W. E. Jones, of Columbus, was named as general manager.

Canton, O.—At the annual meeting of the Bucher-Gibbs Plow Co., in the offices of the company, in East Seventh Street, the old boards of offices and directors were reelected. The officers are: General manager, H. A. Cavanah; president, F. E. Myers, of Ashland, O.; vice-president, John R. Poyser; secretary, W. J. Poyser; treasurer, F. B. Niesz; mechanical superintendent, Geo. W. Ream. These, with T. A. Myers, of Ashland, O., constitute the board of di-

Crawfordsville, Ind.—At a meeting of the stockholders of the Crawfordsville Wire and Nail Co., the following directors were reelected to serve for the ensuing year: Capt. W. P. Herron, H. H. Ristine, P. C. Somerville, H. E. Greene, I. A. Detchon and Benjamin Crane. The directors elected the old officers as follows: President, W. P. Herron; manager and treasurer, Clifford Voris; secretary, Richard Schweitzer.

Utica, N. Y.—The annual meeting of the Savage Arms Co. was held recently at its office in East Utica. The directors elected were the following: T. R. Proctor, George E. Dunham, John A. Roberts, Walter J. Green, William Adrean, of Brooklyn; Carlton Lowery, Arthur W. Savage and Dr. M. O. Terry.





Women are interested in anything that adds to the convenience of domestic life. It is not hard to convince them

that Sargent's Gem Food Chopper is just what is wanted in the kitchen; they see and appreciate its many advantages.

## They want to buy

it from you

and you want to sell it to them because of the profit there is in it and because it pleases them.

You know how good an advertisement a pleased customer is.

SARGENT & CO., Manufacturers,

New Haven, Conn., New York, Philadelphia, Boston.

## I BUY HARDWARE

OR SECONDS JOB LOTS

IN ANY OUANTITY

A. N. Jacob, 272 Bowery, New York.



There is no kind of advertising so cheap as newspaper advertising and there is no kind that produces such immediate and satisfactory returns. The posting of bills, the use of street car signs and the mailing of circulars costs infinitely more per thousand for the same amount of advertising and it is seldom so effective.

## FORKS, HOES, RAKES, &c., FOR EXPORT.

We make more than . . . 740 KINDS OF FORKS.

350 KINDS OF FORKS. 350 KINDS OF HOES. 40 KINDS OF CARDEN RAKES

In Sizes, Patterns and Grades . .

FOR ALL MARKETS OF THE WORLD.

WORKS BUN CONTINUOUSLY MORE THAN 40 YEARS.

## THE IOWA FARMING TOOL CO.,

Illustrated Catalog on Application. . .

FORT MADISON, IOWA, U.S. A.

## JUST A LITTLE HIGHER



Caldwell Mfg. Co.,

In price, but so much

## **HIGHER IN QUALITY**

that the great majority of dealers prefer to sell

## CALDWELL .. .. .. SASH BALANCES

They can recommend them with clear conscience. Write for catalog. . . . .

4 JONES ST., ROCHESTER, N. Y.

## BICYCLE AND SPORTING GOODS RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

## New Companies, Agencies, Etc.

Buffalo, N. Y.—Among the companies incorporated recently is the Wright Taper Roller Bearing Co. The capital stock of this corporation is \$900,000 and its object is to construct extensive works in Buffalo for the manufacture of an anti-friction taper roller bearing for automobiles, bicycles, road vehicles, line shafting, electric and steam railways under the American patents of W. Hamilton Wright, who also holds patents in all the countries of Europe.

Easton, Md.-F. A. Shannahan, late with Shannahan, Wrightson Hardware Co., has opened a bicycle repair shop in one of the rooms formerly occupied by J. W. Wheatley, on Dover Street.

Findlay, O.—Bruce Houser has opened a bicycle shop on North Main Street.

Oshkosh, Wis.-Jesse Chase and Paul Mc-Intyre have formed partnership.

South Manchester, Conn.-Wm. F. and Maurice Madden have gone into business under the name of Madden Bros., to push the sale of Pierce bicycles and deal in sundries and do repairing.

Utica, N. Y.-W. J. Smith has opened a repair shop at Second and Elizabeth Streets.

Wallingford, Conn.—The Badger-DeMill Co., which has been incorporated with \$6,500 of Utica, have succeeded to the bicycle busi- recently in the bicycle repair shop of T. J. capital, will deal in bicycles, cigars and stationery.

## Changes and Improvements.

Adams, Mass.-M. J. Curran has sold his bicycle business to W. H. Kirkpatrick & · Co.

Bristol, Conn.—The Liberty Bell Co. has added a golf counter to its manufactures. It is an ingenious device in book form and - of pocket size, which obviates the need of a pencil in "keeping tabs" on the game.

Brockton, Mass.—Plans are being drawn for a two-story addition to the Motor Cycle Manufacturing Co.'s factory. It will more than double the facilities of the plant.

Buffalo, N. Y.-More than one hundred men are at work on the new factory building that was started for the E. R. Thomas Motor Co. in Buffalo early last month. The new structure is being erected in Niagara street, north of West Ferry. The company will then remove its machinery and offices from the present location. The new building will be two stories high, constructed of stone, brick and glass, very little wood being employed. The floors will be of cement. Automobiles, motorcycles and launches will be manufactured in the new plant.

Butler, Ind.-The Butler Co. have discontinued the manufacture of bicycles, which it started about four years ago, and will add an automobile construction department to its windmill and tank business.

W. R. Trusty.

bought out E. J. Miles.

Denver, Col.-W. B. Felker, bicycle Sons & Co. dealer, has bought two lots opposite the court house; and will erect a new building in which he will conduct a general business ing of the Miami Cycle Co., ex-Congressin renting, repairing and storing motor vehicles.

Elizabethtown, N. Y.—George Fisher is building an addition to his store.

Erie, Pa.—Palace Bicycle Co. succeeds Chambers & Suerken.

Fergus Falls, Minn:—A. I. Norman has succeeded to the bicycle business of Norman & Anderson.

Hartford, Conn.-The Colt Patent Firearms Co. is gradually preparing to extend its operations and increase its manufacturing plant by utilizing all of the buildings owned by the company. The building known as the West Armory, which for a number of years has been used by small manufacturers, is to be the scene of the change. The Atlantic Screw Co., which occupies 200x60 feet of floor space, has been notified to vacate by April 1, and it is arranging to build a new factory. Several other firms in the building have also been slight. notified that their space will be needed.

Hastings, Neb.-Norris Bros. have succeeded to the bicycle business of C. W. Jacobs.

New York Mills, N. Y.-Reynolds & Co. ness formerly conducted by Edward B. Mendell, 1728 7th Street, N. W. Mr. Men-

entered into business in Syracuse, having erty was sustained.

Canton, Me.-F. J. Laffaty & Co. succeed purchased an interest in the gun factory of D. M. Lefever & Sons, manufacturers of Colfax, Iowa.—Cox & Snyder have the new Lefever automatic hammerless guns. The firm name is now D. M. Lefever

### Miscellaneous.

Middletown, Ohio.-At the annual meetman Paul J. Sorg was elected president; Judge Jenkins, vice president; and Harry Walburg, secretary-treasurer.

### Embarrassments.

Bristol, Conn.-The Codling Manufacturing Co. is about to go into the hands of a receiver. Liabilities are placed at \$50,000; assets not named.

Gloucester, Mass.—Charles J. Gray, in bankruptcy.

Lynn, Mass.-W. S. Achorn has assigned. Syracuse, N. Y.-Referee Charles L. Stone has appointed James E. Ratchford as trustee in the matter of the involuntary bankruptcy of the Olive Wheel Co. His bond was fixed at \$10,000. The nominal assets were said to be \$35,000, but will really not amount to more than \$10,000.

### Recent Fires.

Aurora, Ill.—Frank Anderson, fire; loss

Helena, Ark.-J. O'Connor, fire loss; in-

Holyoke, Mass.-Ross Cycle Co., damage by water from fire.

Washington, D. C .- A slight fire occurred dell was slightly burned about the face. Syracuse, N. Y.—Samuel S. Hale has Damage to the amount of \$20 to the prop-

## POULTRY NETTING

We purchased at Sale, 7000 bales, hexagon Poultry Netting, Galvanized. It is all put up 150 ft. to the bale, and is in GOOD CONDITION.

## NOTE OUR PRICES:

|             |        | 2-   | INCH | ME   | H.   |      | 11/2- | INCE   | I ME | 1-INCH MESH. |      |             |      |      |
|-------------|--------|------|------|------|------|------|-------|--------|------|--------------|------|-------------|------|------|
| Wire<br>No. | 20     | 19   | 18   | 17   | 16   | 15   | 14    | 20     | 19   | 18           | 17   | 20          | 19   | 18   |
| 12          | \$0.45 | 0.50 | 0.65 | 0.90 | 1.10 | 1.50 | 1.90  | \$0.60 | 0.70 | 0.90         | 1.45 | \$1.10      | 1.25 | 1.50 |
| 18          |        | .75  | .98  |      |      |      | 2.85  | ·      | 1.05 |              |      | · · · · · · | 1.88 | 2.25 |
| 24          |        | 1.00 |      | 1.80 |      | 8.00 |       |        | 1.40 | 1.80         |      | 2.20        |      |      |
| 30          |        | 1.25 |      | 2.25 |      | 8.75 | 4.75  | !      | 1.75 |              | 8.63 |             | 3.13 | 4.25 |
| 36          | 1.35   | 1.50 |      |      |      | 4.50 | 5.70  |        | 2.10 | 2.70         |      | 8.30        | 3.75 | 4.50 |
| 42          | 1.60   | 1.75 |      | 8.15 |      | 5.25 | 6.65  |        |      |              | 5.08 | 3.85        |      |      |
| 48          | 1.80   |      | 2.60 | 3.60 |      | 6.00 | 7.60  |        | 2.80 | 8.60         | 5.80 | 4.40        | 5.00 | 6.00 |
| 54          | 2.00   | 2.25 |      |      |      |      |       |        |      |              | 6.53 |             | 5.63 |      |
| 60          |        | 2.50 | 3.25 | 4.50 | 5.50 | 7.25 | 9.50  | 1      | 8.50 |              |      | 5.50        |      |      |
| 66          | 2.50   |      |      |      |      |      |       | 3.30   |      |              |      |             |      |      |
| 72          | 2.70   | 3.00 | 3.90 | 5.40 | 6.60 | 9.00 |       |        | 4.20 |              |      | 6.60        | 7.50 | 9.00 |

Prices are per bale of 150 ft.

Sizes without prices mentioned are all sold out.

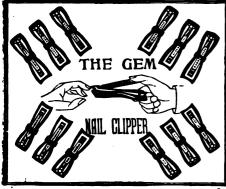
Terms, Net Cash F. O. B. Chicago for immediate acceptance only.

When you are in want of bargains write for our confidential CATALOGUE No. 357.

CHICAGO HOUSE WRECKING CO., West 35th & Iron Sts., CHICAGO.

## The GEM NAIL CLIPPER

CUTS, CLEANS, FILES.



Mounted 12 on card like the illustration.
They make an attractive show and sell like hot cakes

SAMPLE BY MAIL, 25 CENTS.

The POPULAR Manicure

Perfect for removing hang nails. Send for circular and prices.

H. C. COOK CO.,

ANSONIA, CONN.

THE MOTTOW GOASTET Brake.

Greatest Labor Saver.

ECLIPSE MFG. CO., Ave. 15, ELMIRA, N. Y.

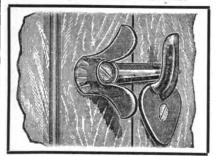
Bicycle, Sleigh, House, Hand, Trip and Rotary Door

BELLS

Send for Catalogue and Price-List.

STARR BROS. BELL CO., Enathampton, Conn., U.S. A.

THE FEARN CASEMENT PAST
For hinged Cellar and Attic Sash.



Mounted samples and price on application.
THE SELUMBUS SASH RIBBON SO.,
COLUMBUS, OHIO.

Don't MUTILATE

with pins or fasteners but use

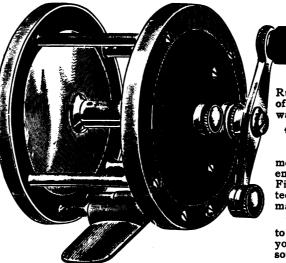


Only satisfactory device for the temporary attachment of all kinds of papers. Quickly applied and removed. Adopted by leading corporations as being without an equal. Samples free.

Price, 15 cents per box of 100.

GUSHMAU & DENISON. Mira. 240-2 W. 224 St., N.Y.

## PFLUEGER FISHING REELS.



We are now manufacturing a complete line including all the popular styles and sizes:

Brass, Nickel, German Silver and Rubber, suitable for all kinds of fishing, either salt or fresh

40, 60, 80, 100, 150, 200, 250, 300, 350 Yards.

The foreman of this department has had 25 years experience in the manufacture of Fishing Reels, and we guarantee our goods the finest in the market.

Prompt Shipmcats. Be sure to get our prices before placing your orders for the coming season.

THE ENTERPRISE MANUFACTURING CO.,
Largest Manufacturers of Fishing Tackle in the United States,
AKRON. OHIO.

Climax Spring Wire Saddles

The first hygienic saddles marketed. Have stood the test of years' use. Are unequalled for strength, durability, lightness, speed and comfort.

We also make AUTOMOBILE

WAGON SEATS.

Do not fail to get our catalogues and prices.

CLIMAX MFG. CO.,

EAST HAMPTON, CONN.



SOLD EVERY WHERE BY EVERY BODY

MANUFACTURED BY

THE NEW DEPARTURE BELL

BRISTOL.CONN.U.S.A.

SELLING AGENTS

JOHN H. GRAHAM & CO.

NEW YORK CITY.



"HIS LAMPS WENT OUT"

If he had been a live one, he would have used ...

Search-Light Uapor Lamps.
We Light Stores, Streets, Homes Everywhere.

We Light States, purvey, exCheaper than candles, nearly as
well us daylight.
Write to-day for illustrated list, and liberal terms
to the trade.

175 E. Division St., Chicago, Ill.

"WILLOUGHBY" COKE AND COTTON SEED FORKS.

Are made exclusively from highest grade crucible steel manufactured expressive for our requirements.

Using only High Grades of Steel manipulated by the most approved methods and machinery, and by skillful workmen, we stand pledged to a high standard of excellence in all our various products.

Ask for catalogue and prices—they are interesting.

THE WILLOUGHBY FORK & MFG. CO.

Willoughby, Ohio.







## Hardwaremen's Exchange.

Notices of HELP WANTED or SITUATIONS WANTED will be inserted in this column free of charge. Should not exceed Four Lines. Notices of SIDE LINE OFFERED, SIDE LINE WANTED and ALL OTHER NOTICES, twenty-five cents per line.

## Help Wanted.

HARDWARE SALESMAN.—A salesman acquainted with the wholesale and large retail Hardware stores of the United States and Canada. to sell specialties in Builders' Hardware and Refrigerator Trimmings. Address, stating age, experience, salary expected, and references, Brass Goods, care Hardware, 275 Broadway, New York.

### Situations Wanted.

ACCOUNTANT.—Position wanted by an experienced accountant and cashier. Open for engagement February first. Highest references as to character and ability. Address L., Box 1066, Derby, Conn.

A FIRST-CLASS ACCOUNTANT, book-keeper and cashier, understanding office work in every particular, desires to connect himself with some house, where integrity and strict attention to business would meet with fair compensation. Address P. P. P., care HARDWARE, 275 Broadway, New York.

ASSISTANT BUYER or ACCOUNTANT.—Young man (23) with long experience in Hardware and marine business, desires a position with a large concern where by strict attention to business he may receive advancement. A I references. Address ACCURATE, care HARDWARE, 275 Broadway New York.

BOOKKEEPER.—Man (28) well educated, desires position in any State; neat and accurate; knows Hardware business thoroughly. Address Paul Fugler, 387 South Ave., Bridgeport, Conn. 267

BOOKKEEPER, middle-aged, desires position. Has a thorough knowledge of all details of office work, quick, accurate and reliable, and has first-class record. Is acquainted with the manufacturers of metal goods and foundry work; accustomed to control work people, and to obtain best results. Address Mellor, care Hardware, 275 Broadway, New York.

BOOKKEEPER thoroughly experienced and competent to take entire charge of office, desires position. First class references. Address H. G. T., care HARDWARE, 275 Broadway, New York.

BUILDERS' HARDWARE SALESMAN.—Hustling young man, thoroughly familiar with Builders' Hardware, and prices of same, now with large manufacturers in New York City, desires a change. Address Hustler, care Hardware, 275 Broadway, New York. 268

HARDWARE BUYER, MANAGER OR SALESMAN. — A practical and experienced Hardware man wants position January first as buyer, manager or salesman. Understands architectural plans. Address, Burr, care HARDWARE, 275 Broadway, New York. 281

HARDWARE CLERK.—Hardware man of experience and ability wishes to locate with some house in any capacity where his work will be appreciated. Address Burton, care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN of 15 years' experience, thoroughly acquainted with the wholesale trade throughout the United States and Canada, is open for engagement January first. Highest reference from last employer. Address H. J. Benson, Bethel Church, Lancaster,

HARDWARE SALESMAN.—A young man of wide experience in buying and selling Hardware, desires to connect himself with a progressive manufacturer who appreciates the value of brain and intelligence. Address W., care HARDWARE, 275 Broadway, New York.

### Situations Wanted.

HARDWARE SALESMAN.—An At specialty salesman wants to represent some good firm in Cleveland and nearby trade. No traveling Address CLEVELAND, care HARDWARE 275 Broadway, New York.

HARDWARE SALESMAN.—Experienced Hardwareman wants position as salesman (road or store). New York State preferred. Thoroughly conversant with Builders' Hardware, Mechanics' Tools and Supplies, Farm Implements and General Machinery. First class references. Address A. A. P., care HARDWARE, 275 Broadway, New York.

TRAVELING SALESMAN.—One of the most popular Hardware salesmen traveling in the South and Southwest wants a position January first. Has knowledge of all Hardware lines, especially experienced in Builders' Hardware. Guns and Cutlery. Address T. T. T., care HARDWARE, 275 Broadway. New York.

YOUNG GERMAN speaking French and English, with knowledge of machinery Hardware, desires position. Address H. C. A.. care HARDWARE, 275 Broadway, New York.

## Export Business Wanted.

AN EXPERIENCED HARDWAREMAN who has spent some time on the road, and possessing the knowledge of how to develop a large Export Trade, here in the city, offers his services to a few ambitious manufacturers desirous of cultivating such extension of their present business. Correspondence solicited. Address Bobs, care HARDWARE, 275 Broadway, New York.

## Side Line Offered.

GOOD CHANCE for Hardware salesman to sell the "Argand" Lamp as a side line; liberal commissions. Address Argand Vapor LAMP Co., Detroit, Mich.

HARDWARE SALESMEN.—To handle as a side line our labor-saving device, advertised elsewhere in this issue of HARDWARE, Liberal commission to good men. We furnish free to our agents a perfect working model, pocket size, which will lift 500 pounds, Address. DEPT. C, BURE MFG. Co., Cleveland, Ohio.

TRAVELING SALESMAN.—Salesman wanted for retail trade to carry side line of shears. Prices and quality right. Address W. M. B., care HARDWARE, 275 Broadway, New York.

## Side Line Wanted.

GENTLEMAN residing in St. Paul having personal acquaintance and established business connection with railroad purchasing agents, wholesale Hardware and department atore buyers, would like a couple of good lines on a commission basis. Address St. Paul, care HARDWARE, 275 Broadway. New York.

## Ad. Writing.



## Agency Offered.

LIVE HARDWAREMEN.—We would like to hear immediately from a few live Hardwaremen who would like to be sole representatives in their towns, of a concern that is in the market for business, and have a line made for "men now on earth"—a modern line THAT CAN ES SOLD to your customers. Address "Box 88," care HARDWARE, 275 Broadway, New York.

## Mail Order Specialties.

LIGHT HARDWARE SPECIALTIES WANTED for a mail order business. Address The Mills Co., Cleveland, Ohio. 247



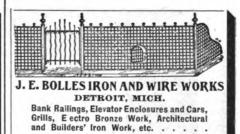
# Standard Stamping Co.

Manufacturers of

SHEET METAL STAMPINGS, BICYCLE PARTS, NOVELTIES, and Contractors for SHEET METAL GOODS.

Corner Seventh and Hudson Streets,

BUFFALO, N. Y., U. S. A.









Send for Catalogue and mention this pape

# ROBERT MURRAY.

24 Duane St., New York City.

# General Hardware

Agent for Atlantic Screw Works. Wood Screws of Every Description. Agent for Maynard's Socket Shovels.

# A WHOLESALE HOUSE

Wishes to communicate with manufacturers of Tools for regular deliveries for Cash. Apply

> E. NEWBORGH & CO., 46 Southampton Buildings, London, W. C.

## SHEARS,

Steel Laid and Hard Cast, in great variety. Nail Pullers, Screw Drivers, Plyers. Wire Cutters, etc. Metal Goods of any kind to order on large contracts.



The Bridgeport Mfg. Co.,
Admiral Street, Bridgeport, Conn

### THE BICYCLE STEP LADDER.

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated and safest store ladder made. Highest Award World's Fair. Write us. THE BICYCLE STEP LADDER CO., 65 Randolph St., Chicago, Ills.

1902 Model ready for delivery Jan. 1st.

Removes cut and dead grass, leaves, refuse, etc., from the lawn and sweeps SIDE-WALKS, PAVED STREETS and FACTORY FLOORS!

Made right, looks right, is right and guaranteed.

THE GREENE MFG. CO.,

## **JOBBERS**

wanting a 1901 NOVELTY, that is a 1902 NECESSITY, must handle

THE "APOLLO"
LAWN-SWEEPER

20, 24 and 28

Inch Sweep.

Write for booklet and discounts.

12 East St., Springfield, Ohio, U. S. A.



2000 Candle Power.

If you want your store made attractive light it with

# STERLING ARC SYSTEM

The simplest lamp, with fewer parts than any other on the market. Nothing to get out of order. No taking down to fill. Always ready for use.

### ALL GOODS WARRANTED FOR TWO YEARS

WRITE FOR OUR SPECIAL PROPOSITION TO HARDWARE DEALERS.

DEPARTMENT H.

Sterling White Light Gas Lamp Co.,



2000 Candle Power.

Barrett's Glass Cutters Standard Barrett's Practical Glass Cutters are the standard the world over. Sold by more Hardware Dealers than all



other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U. S. A.

WRITE FOR QUOTATIONS



Mention "Hardware."

THE CLARK MFG. CO., Buffalo, N.Y.

Manufacturers of

CET

Lull & Porter, O. S. "DIXIE"

-AND-

"BUFFALO REVERSIBLE"

# SHUTTER HINGES.

-AND-

CLARK'S SURFACE BLIND HINGES, GATE HINGES, SASH PULLEYS, SPRING HINGES, CAST DOOR BUTTS, STOYE PIPE DAMPERS, ETC.

Polygon
Conductor
Pipes
Won't Burst.

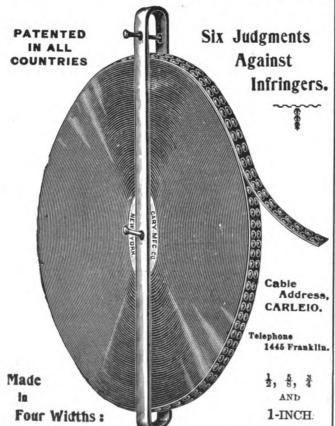
The twist in the corrugation checks the sudden fall of ice and water, thus protecting the joints. It stands hard knocks be cause it is corrugated. Again, it is much handsomer than plain pipe. Made in copper and galvanized iron.
Catalogue and information free.

Address Dept. H,

AMERICAN STEEL ROOFING CO.

Middletown, O.

CARY'S UNIVERSAL BOX STRAP.



CARY MANUFACTURING CO.,

19 and 21 Roosevelt St., New York.



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# PRICES CURRENT.

ane prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to

make this department of our paper worth The list prices, from which discounts the dealer upon request, by the manufactu

| the dealer upon request, by the manufa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | cturer quoted.                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Ammunition-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | " P.R. 841                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | "P.E., % i<br>9&c10.                                                    |
| CAPS, PERCUSSION—\$\frac{1000}{1000}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11 to 2<br>White Els                                                    |
| U. M. C. Co., trimmed edge40c U. M. C. Co., ground edge, heavy50c Musket, Waterproof, 1-10's60c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                                                                       |
| Musket, Waterproof, 1-10's 60°C<br>G. D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9&10.<br>11 to 2                                                        |
| CARTRIDGES-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | "Damplro                                                                |
| Rim Fire Cartridges50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8<br>9&10                                                               |
| Rim Fire Cartridges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 11 to 2<br>" Card Boar                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R                                                                       |
| 15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5%   15&5 | 9&10.<br>11 to \$                                                       |
| Blank Cartridges, 82 cal 10&5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | " Nitro card                                                            |
| B. B. Caps, Round Ball                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8<br>9&10                                                               |
| B. B. Cape, Con. Ball, Swgd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11 to 8                                                                 |
| Berdan Primers5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | POWDI                                                                   |
| B. L. Cape (for Sturtevant Shells)5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | King's Smol                                                             |
| All other Primers10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Kegs (25th<br>Half Kege<br>Quarter K                                    |
| SHELLS— First quality 4.8.10 and 12 gauge 20.8.54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quarter K<br>Canister (1                                                |
| First quality, 4, 8, 10 and 12 gauge. 20 & 5%<br>First quality, 14, 16 and 20 gauge,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | King's Smol<br>Half Kegs                                                |
| \$7.5020%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Half Kegs<br>Quarter K                                                  |
| brands, 10 and 12 gauge88165                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Canister (1                                                             |
| Nitro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | King's Semi<br>Keg, 25hs<br>Half Keg,<br>Quarter Ke                     |
| High Ball                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Half Keg,                                                               |
| New Club, New Rival and Climax brands, 10 and 13 gauge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1 ib Can, b                                                             |
| Brass Shot Shells, 1st quality . 60 & 5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | King's Quick                                                            |
| Climax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1 ib Can, bi<br>King's Quict<br>Kegs, 25 ib<br>Half Kegs,<br>Quarter Ke |
| SHELLS, LOADED—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quarter Ke<br>1 tb Can (2                                               |
| * New Club," Black Powder40&5% * New Rival." Black Powder40&5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ⅓ th Can (€                                                             |
| ** Arrow " Nitro Powder, 40&10&10&5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Disco                                                                   |
| ** Acme," Dense Nitro Powder,<br>40&10&10&5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Animal 1                                                                |
| "Trap," Nitro Powder40&10&10&5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Iowa Farmin                                                             |
| GUN WADS-19 1000-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Hawkeye .<br>Western                                                    |
| B. E., 11 up\$ .60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ***************************************                                 |
| B. E., 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Anti-Rat                                                                |
| P. E., 11 up 1.00 15%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fernald, Wir                                                            |
| B. E., 11 up. \$ .60<br>B. E., 9 & 10 . 70<br>B. E., 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Burton's                                                                |
| P. E., 7 1.50)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Gem<br>Steel Drive.                                                     |
| SHOT-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Kohler's:                                                               |
| Tatham Bros.: \$\paraller{1}{\paraller{1}{p}}\$ bag Drop Shot, sizes smaller than B,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Invisible, I<br>Perfect, No                                             |
| 25-lb bags                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Bolt Holde                                                              |
| 25 b bags 1.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A                                                                       |
| Buck Shot, 25-75 bags 1.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Anvils—                                                                 |
| Chilled Shot, 25-lb bage 1.60 Dust Shot, 25-lb bage 2.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | American ''I<br>Armitage's h                                            |
| PETERS PRIMERS-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cincinnati                                                              |
| All Primers\$1.10-1.121/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Eagle Anvils<br>Hay Budden,                                             |
| CARTRIDGES— Peters Blank Cartridges:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Peter Wright                                                            |
| .82 C. F., \$5.5010&5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Trenton                                                                 |
| .22 cal. Rim, \$1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ANVIL A                                                                 |
| . 52 cal. Rim, \$2.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cheney Anvi                                                             |
| Peters Blank Cartridges:  .32 C. F., \$5.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Holt's<br>Millers Falls                                                 |
| Pistol and Rifle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |
| Primed Shells and Bullets15&5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Augers a                                                                |
| Rim Fire Sporting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Boring Mach                                                             |
| PETERS SHELLS—EMPTY—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Com. Auger                                                              |
| Peters Ideal, 10 and 12 gauge881/6&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Forstner Pat<br>C. E. Jennin                                            |
| ** New Victor, 10, 12 and 16 gauge . 15% ** Quick Shot, 10, 12 and 16 gauge 25&5% ** League, 10, 12 and 16 gauge 25&5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Double Co.                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No. 10 Exte                                                             |
| PETERS SHELLS—LOADED (BLACK<br>POWDER)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No. 10 Exte                                                             |
| Peters League, 10 and 12 gauge.40&t, "Quick Shot,10,12 and 16 gauge40&5;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Nobles Don<br>No. 10 Exte<br>No. 10 Exte<br>Car Bits, N<br>Car Bits, N  |
| " Quick Shot, 10, 12 and 16 gauge 40 & 5%<br>Loaded with (Semi-Smokeless                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Jennings' Pa                                                            |
| Powder).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Snell's Auger<br>Swan's :                                               |
| Peters Referee. 10,12and 16 gauge 40 & 5% Loaded with (Smokeless Powder). Peters New Victor, 10,12 and 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Jenning's 1                                                             |
| Peters New Victor, 10,12 and 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Jenning's I                                                             |
| gauge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Jenuing's I<br>Jenning's I<br>Russell Jenn                              |
| GUN WADS-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |
| Peters B. R., 9 to 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | HOLLO                                                                   |
| 44 Victor. 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Ames<br>Bonney's Ad                                                     |
| 9&1070c<br>11 to 9060c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |

| is of any discrepancies, as we desire to<br>ny of their constant attention.                                      | EXPANSIVE BITS -                                                                          |
|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| s are given, will always be furnished                                                                            | C. E. Jennings & Co                                                                       |
| urer quoted.                                                                                                     | Clark's small, \$18                                                                       |
|                                                                                                                  | Swan's                                                                                    |
| " P. E., % in. 8                                                                                                 | DOUBLE CUT GIMLET BITS-                                                                   |
| 11 to 20                                                                                                         | Common                                                                                    |
| 9&10                                                                                                             | C. E. Jennings & Co                                                                       |
| " Damp i roof, per 1,000:  8                                                                                     | Mayhew's       40&10%         Snell's       40&10%         Snell's Bell Hangers       50% |
| 9&10                                                                                                             |                                                                                           |
| " Card Board, per 1,000:                                                                                         | BIT STOCK DRILLS—<br>Cincinnati Tool Co., for wood, 40&10%                                |
| 9&10                                                                                                             | for metal, 60%<br>Cleveland Wood Bits for Brace50&10%                                     |
| " Nitro card: 8 26c                                                                                              | Detroit                                                                                   |
| 9&10                                                                                                             | Morse                                                                                     |
| POWDER-                                                                                                          |                                                                                           |
| King's Smokeless (Shot-gun),<br>Kegs (25hs bulk)\$22.00                                                          | TWIST DRILLS— Cleveland                                                                   |
| Half Kegs (1214hs bulk) 11.25<br>Quarter Kegs (614hs bulk) 5.75                                                  | K & F. Straight Shank                                                                     |
| Canister (1th tulk) 1.00<br>King's Smokcless (Rifle),                                                            | New Process                                                                               |
| Ouerter Kees (61/2 ha bulk)                                                                                      | Standard Oil Tube Drills 158                                                              |
| Canister (1th bulk)                                                                                              | W. & B. Diamond60&5@60&109<br>W. & B. Universal Self-Oiling109                            |
| Keg, 25hbs bulk 10.00                                                                                            | SHIP AUGERS AND BITS-                                                                     |
| Keg, 25hs bulk. 10.00<br>Half Keg, 1916hs bulk. 5.25<br>Quarter Keg, 61hs bulk. 2.75<br>1 h Can, bulk. 50        | L'Hommedieu's                                                                             |
| King's Quick Shot (Black),                                                                                       | Snell's                                                                                   |
| King's Quick Shot (Black),<br>Kegs, 25 bs 4.00<br>Half K. gs, 121/6bs. 2.25<br>Quarter Kegs, 61/4bs. 1.25        | Awl and Auger Handles—                                                                    |
| 1 fb Can (24 in case)                                                                                            | See Handles                                                                               |
| Discounts on application.                                                                                        | Awls—<br>Handled Brad40&10s                                                               |
| Animal Pokes—                                                                                                    | Handled Scratch                                                                           |
| Iowa Farming Tool Co.: \$\mathbb{9}\ \doz.                                                                       | Patent Peg                                                                                |
| Hawkeye                                                                                                          | Shouldered Peg                                                                            |
| And Daddan                                                                                                       | Stanley Rule & Level Handled Brad                                                         |
| Anti-Rattlers—                                                                                                   | Patent Pegging50@50&10s                                                                   |
| Fernald, Wire                                                                                                    | Awl and Tool Sets-                                                                        |
| Gem                                                                                                              | Aiken's Awls and Tools:<br>No. 10, \$\pi\$ doz. \$7.50; No. 20, \$\pi\$ doz.              |
| Kohler's: 9gro. Invisible, No. 3 \$6.00 Perfect, No. 2 7.00 Bolt Holder, No. 1 9.00                              | \$1060%<br>Brad Sets:                                                                     |
| Bolt Holder, No. 1 9.00                                                                                          | No. 42, \$10.50; No. 48, \$12.5070s<br>Fray's Adj. Tool Hdls., Nos. 1, \$12;              |
| A                                                                                                                | 2, \$18; 8, \$12; 4, \$9; 5, \$7                                                          |
| Anvils—                                                                                                          | Millers Falls Adj. Tool Holders:<br>Nos. 1, \$12; 2, \$12; 4, \$12; 5, \$18.              |
| American "Horse-Shoe"                                                                                            | 15@15&10s<br>CE. Jennings & Co.'s Adjustable                                              |
| Cincinnati 25&10x  Eagle Anvils, ₩ b 9c. 15@16&5x  Hay Budden, Wrought 8x  Peter Wright's 94@104c  Samson 40&10x | Tool Handles                                                                              |
| Peter Wright's 984@1014c                                                                                         | _                                                                                         |
| Trenton                                                                                                          | Axes— First quality, best brands\$6.50@7.00                                               |
| ANVIL AND VISE COMBINED-                                                                                         | First quality, other brands6.00@6.50<br>Beveled, add 25c. 9 doz.                          |
| Cheney Anvil and Vise                                                                                            | HATCHETS—                                                                                 |
| miners Fans (with drin), \$10.0010%                                                                              | Hunt's, Underhill's or Blood's40&10\$ Peck's:                                             |
| Augers and Bits—                                                                                                 | Champion Blade                                                                            |
| Boring Machine                                                                                                   | D. Simmons & Co.:  Broad Shingling and Claw 50&5                                          |
| Forstner Pat. Bits                                                                                               | Shingling and Claw                                                                        |
| Double Spur pattern car, No. 3050%<br>Nobles Double Spur, No. 8250& 10%                                          | Axle Gresse-                                                                              |
| No. 10 Extension Lip                                                                                             | Dixons' "Everlasting ":                                                                   |
| Car Bits, No. 10                                                                                                 | 1-lb box                                                                                  |
| Ring Augers                                                                                                      | 10-b pail \$1.90<br>25-b keg \$2.75<br>50 b keg 5.00                                      |
| Snell's Auger and Car Bits                                                                                       | Balances—                                                                                 |
| Jenning's Pattern Auger Bits,<br>50@50&10%                                                                       | Chatillon'e:                                                                              |
| Jenning's Pattern Car                                                                                            | Light, Class A                                                                            |
| Russell Jennings' Augers and Bits.                                                                               | Ice Balances, Class B                                                                     |
| HOLLOW AUGERS-                                                                                                   | Large Dial, Class D30%                                                                    |
| Ames                                                                                                             | Balances, Sash—                                                                           |
| 25@25&10%                                                                                                        | Pullman's 50&10@60s                                                                       |
|                                                                                                                  |                                                                                           |

| Cincinnati Nos. 1, 2 and 8 25&10;<br>Douglass'                                                                           |
|--------------------------------------------------------------------------------------------------------------------------|
| Cincinnati Nos. 1, 2 and 8                                                                                               |
| Swan's                                                                                                                   |
| EXPANSIVE BITS -                                                                                                         |
| Clark's small, \$16                                                                                                      |
| C. E. Jennings & Co                                                                                                      |
| DOUBLE OUR OTHERS DIES                                                                                                   |
| Common                                                                                                                   |
| C. E. Jennings & Co                                                                                                      |
| Mayhew's                                                                                                                 |
| BIT STOCK DRILLS-                                                                                                        |
| Cincinnati Tool Co., for wood, 40&10%<br>for metal, 60%<br>Cleveland Wood Bits for Brace50&10%                           |
| Detroit                                                                                                                  |
| Morse                                                                                                                    |
| TWIST DRILLS-                                                                                                            |
| Cleveland                                                                                                                |
| Morse Straight Shank                                                                                                     |
| Standard Oil Tube Drills                                                                                                 |
| Morse Straight Shank.                                                                                                    |
| SHIP AUGERS AND BITS-                                                                                                    |
| L'Hommedieu's                                                                                                            |
| Awl and Auger Handles-                                                                                                   |
| See Handles                                                                                                              |
| Awls—<br>Handled Brad40&10s                                                                                              |
| Handled Brad 40&10s<br>Handled Scratch 40&10s<br>Patent Peg. 50s<br>Sewling, Com. 88c@\$1.00                             |
| Sewing, Com                                                                                                              |
| Socket Scratch # doz\$1.00<br>Stanley Rule & Level                                                                       |
| Shouldered Peg                                                                                                           |
| Awl and Tool Sets-                                                                                                       |
| Aiken's Awls and Tools: No. 10, \$\pi\$ doz. \$7.50; No. 20, \$\pi\$ doz.                                                |
| \$10                                                                                                                     |
| Brad Sets:  No. 42, \$10.50; No. 45, \$12.50705  Fray's Adj. Tool Hdis., Nos. 1, \$12;  2, \$18; 8, \$12; 4, \$9; 5, \$7 |
| Miners Palis Auj. 1001 Duluers:                                                                                          |
| Nos. 1, \$12; 2, \$12; 4, \$12; 5, \$18.<br>15@15&10s<br>C. E. Jennings & Co.'s Adjustable                               |
| C. E. Jennings & Co.'s Adjustable Tool Handles                                                                           |
| Axes—                                                                                                                    |
| First quality, best brands\$6.50@7.00<br>First quality, other brands6.00@6.50                                            |
| Beveled, add 25c. # doz.                                                                                                 |
| Hunt's, Underhill's or Blood's40&10s                                                                                     |
| Champion Blade                                                                                                           |
| Broad                                                                                                                    |
|                                                                                                                          |
| Axle Grease— Dixons' " Everlasting ":                                                                                    |
| 1-lb box                                                                                                                 |
| 10-15 pail \$1.90<br>25-15 keg. 9.75<br>50 lb keg. 5.00                                                                  |
| Balances—                                                                                                                |
| Chatillon's: Light, Class A40&105                                                                                        |
| Light, Class A                                                                                                           |
|                                                                                                                          |
| Dolonoos Cosh                                                                                                            |

| Barn Door Hangers—<br>See Hangers.                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Barrel Drainers— National                                                                                                                        |
| Beef Shavers— Enterprise:  Interprise:  Approved each \$7.50 95.680s                                                                             |
| Japanned, each, \$7.50                                                                                                                           |
| H A ND-                                                                                                                                          |
| Extra Heavy Brass 60@60&10\$<br>Light Brass 60&10\$<br>Pure Bell Metal 55%<br>Globe (Cone's Patent) 85%<br>Silver Chime 85%<br>White Metal 55&65 |
| DOOR— Trip, Gem                                                                                                                                  |
| Gong, Yankee. 50%  Lever, R. & E. Mfg. Co.'s 50&10%  Multi-Stroke. 40%  New Departure. 45@50%                                                    |
| Common Wrought                                                                                                                                   |
| Bellows—  Blacksmiths'                                                                                                                           |
| Belting, Rubber-                                                                                                                                 |
| Roston Belting Co.:                                                                                                                              |
| Common Standard                                                                                                                                  |
| Reliable 50&10%<br>Staple 60&10%<br>Standard 70&10%                                                                                              |
| Belting, Stitched Cotton—                                                                                                                        |
| 8phinx Brand                                                                                                                                     |
| Bench Stops—                                                                                                                                     |
| Cincinnati                                                                                                                                       |
| Bit Holders—                                                                                                                                     |
| Angular                                                                                                                                          |
| Bit Stock Drills—<br>See Augers and Bits.                                                                                                        |
| Blind Adjusters—                                                                                                                                 |
| Domestic. ₩ dos. \$3.00                                                                                                                          |
| Blind Fastenings and Tenons-                                                                                                                     |
| Austin & Eddy * gro. sets                                                                                                                        |
| Blind Hinges—<br>See Hinges.                                                                                                                     |
| Blocks— Rurr Mfg. Co 's Steel 754                                                                                                                |
| Burr Mfg. Co.'s Steel                                                                                                                            |



| Rope Strapped, Japan'd Sheaves. 60&10%                                | Bush Hooks-                                                                                                              | Cartridges—<br>See Ammunition.                                                                          | Coffee Mills— Box and Side                                                           |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| L. V. Sheaves                                                         | See Hooks.                                                                                                               | Casters—                                                                                                | Enterprise Mfg. Co                                                                   |
| Junior, Self Sustaining30%<br>Pat. Automatic80%                       | Butchers' Cleavers— Bradley's25@30%                                                                                      | Bed                                                                                                     | National Specialty Mfg. Co                                                           |
| Perfect Safety                                                        | Beatty's                                                                                                                 | Martin's Patent (Phœnix)40&10%                                                                          | Waddel's New Box Mills10%                                                            |
| Regular Iron Strapped Blocks<br>60&10&10@70\$                         | Foster Bros. Round Hds                                                                                                   | Plate                                                                                                   | Ideal Brand, New List60@60&10\$                                                      |
| Bolts-                                                                | Lancaster Mach. & Knife Wks. 381/6@40% & I. J. White                                                                     | Standard, Ball Bearing45%<br>Tucker's Patent, low list80%                                               | Coll Chain—<br>See Chain,                                                            |
| DOOR AND SHUTTER— Cast Iron Barrel, Square, &c50&10%                  | New Haven Edge Tool Co.'s                                                                                                | Cattle Leaders—                                                                                         |                                                                                      |
| Cast Iron Chain                                                       | Butcher Knives-                                                                                                          | Humason, Beckley & Co.'s70&10%<br>Sargent's                                                             | Compasses, Dividers, &c.—<br>Athol Calipers and Dividers405                          |
| Ives' Patent Door Bolts                                               | See Knives.                                                                                                              | Weltons                                                                                                 | Bemis & Call Co.'s:<br>Compasses                                                     |
| Wrought Square                                                        | Butchers' Saw Blades-                                                                                                    | American Halter Chain50@50&10%                                                                          | Dividers                                                                             |
| 40&10&10@50&10≴<br>Wr't Sunk Flush, Sargent's list                    | Millers Falls Co. Star15@15&10%<br>C. E. Jennings & Co25&10%                                                             | American Proof Coil, Cask lots.<br>F. O. B. Pittsburgh.                                                 | Copeland's Extension                                                                 |
| 50@50&10 <b>%</b>                                                     | Butter and Cheese Triers-                                                                                                | Inch. Per ib.<br>8-16                                                                                   | Stevens' "Ideal"                                                                     |
| Wr't Sunk Flush, Stanley's list 45@45&10%                             | Ordinary Black Handle 255                                                                                                | 5-16                                                                                                    | Starrett's Fay's Patent                                                              |
| Wr't B. K. Flush, Com'n, Stanley's list                               | Humason & Beckley's25&10\$                                                                                               | <b>5</b> / <sub>4</sub>                                                                                 | Spring Calipers and Div25&10s<br>Wright's                                            |
| Wrought Spring, Sargent's                                             | Butt and Rabbet Gauges-                                                                                                  | 7-16                                                                                                    | Coopers' Tools—                                                                      |
| Bolt Ends65&10≤                                                       | Stanley's25&10#                                                                                                          | 9-16                                                                                                    | Bradley's                                                                            |
| Machine                                                               | Butts—<br>Brass—                                                                                                         | 数                                                                                                       | Restry's 231/d                                                                       |
| Norway Iron, list Oct. '84                                            | Cast Brass, Fast Joint40&10@503                                                                                          | 1                                                                                                       | L. & I. J. White                                                                     |
| Sleigh Shoe                                                           | Cast Brass, Ice House                                                                                                    | orders of less than cask lots.<br>Bridgeport Chain Co.:                                                 | Corkscrews—                                                                          |
| American Screw Co.:                                                   | Wrought Brass, list Sept. '96.40@40&5%                                                                                   | Brown, Coil                                                                                             | Detroit Cork-Screw Co381/46                                                          |
| Bay State, Plain, list Dec. 28, '99.77167<br>Bay State, Finted        | Loose Joint 70@70&10%                                                                                                    | Competition Sash                                                                                        | Howe Bros. & Hulbert                                                                 |
| Bay State, Finted                                                     | Loose Joint, Japanned 70@70&10%<br>Loose Joint, Jap. with Acorns                                                         | Monarch, Sash                                                                                           | Samson                                                                               |
| Common, 11st Dec. 28, '99                                             | 70@70&10%<br>Loose Pin                                                                                                   | Triumph, Halter                                                                                         | Corn and Fodder Compressor-                                                          |
| Norway, Phila                                                         | Mayer's Hinges                                                                                                           | Covert Mfg. Co., Halter Chain   85%                                                                     | J. B. Hughes', \$\pi\$ dozen net\$8.00                                               |
| STOVE AND PLOW— Plow60&5%                                             | Fast Joint, Broad                                                                                                        | Covert Mfg. Co., Rein Chain l                                                                           | Corn Hooks— \$\ dag                                                                  |
| Stove, List Dec. 28, '99                                              | WROUGHT STEEL-                                                                                                           | Covert Mfg. Co., Stallion Chain Galvanized Pump Chain 414 to 414c German Coil, list July 24, '97 80&10% | Kretsinger Cut-Kasy\$3.00 net                                                        |
| MISCELLANEOUS — Sink                                                  | List April 1, 18%.<br>Bronzed Inside Blind Butts 60&10%                                                                  | German Halter Chain, list July 24, '97                                                                  | Corn Knives and Cutters-                                                             |
| Bone Mills.                                                           | Bronzed, Narrow50@50&10%                                                                                                 | Jack Chain, Iron                                                                                        | Bradley's                                                                            |
| Enterprise                                                            | Fast Joint, Narrow                                                                                                       | Oneida:                                                                                                 | Countersinks—                                                                        |
| Borers, Bung.                                                         | Fast Joint, Light Narrow60% ES Fast Joint, Broad                                                                         | Niagara                                                                                                 | Mayhew's Diamond 40%                                                                 |
| Enterprise                                                            | Table Butts, Back Flaps, etc60%)                                                                                         | Trace, Wagon and Fancy Chains,<br>New List50&10@50&10&5%                                                | 8mith's                                                                              |
| Nos 1 2 8<br>C. E. Jennings & Co.:                                    | Calipers—                                                                                                                | COW TIES-                                                                                               | Wheeler's Patent 50&10%                                                              |
| No. 6                                                                 | Bemis & Call:<br>Wing60%                                                                                                 | American                                                                                                | Crayons—                                                                             |
| Borers, Tan-                                                          | Double                                                                                                                   | Covert Mfg. Co.:                                                                                        | Sargent's List       20%         Dixons:       \$2 gro.         Eclipse       \$3.75 |
| Common Ring                                                           | Straight Leg                                                                                                             | Hemp45%<br>Jute85%                                                                                      | Emeraid 5.00                                                                         |
| ives25&10≴                                                            | Can Openers—                                                                                                             | Sisal20%                                                                                                | Oriole                                                                               |
| Boring Machines— WITHOUT AUGERS—                                      | American % gross, \$1.75@\$2.00                                                                                          | Chain Guards— Aluminum S. & N. Co50                                                                     | Solid 7.50                                                                           |
| Upright. Angular.                                                     | Goodell's Acme# gross, 6.00<br>Hopper's# gross, 15.00                                                                    | Chain Hoists—                                                                                           | Curry Combs—                                                                         |
| Douglass'\$2.75 \$3.38  Jennings'8.00 8.75  Millers Falls 7.50 15%    | No. 5, Iron Handle. # gross, \$2.00@2.25<br>Sardine Scissors                                                             | Moore's "Anti-Friction"                                                                                 | Fitch's Listnet prices Kohler's                                                      |
| Millers Falls 7.50 15%<br>Snell's, Rice's Pat 2.75 8.00               | Sardine Scissors, Forged Steel                                                                                           | Cherry Stoners—                                                                                         | New York Stamping Co. List, Sept. 17, '97                                            |
| Bow Pins-                                                             | Sprague, No. 1, \$2.00; No. 2, \$2.25;                                                                                   | Enterprise                                                                                              | Perfect                                                                              |
| Hotchkiss60&10% Boxes, Mail.                                          | No. 8, \$2.50                                                                                                            | Family net \$ doz. \$4.00                                                                               | Southington Cutlery Co.'s25&106                                                      |
| Heller's                                                              | Carpet Stretchers—                                                                                                       | Chisel and File Handles—<br>See Handles.                                                                | Cycle Hangers—                                                                       |
| Box Strapping—                                                        | Montross' "Excelsior," \$\footnote{0}  \doz., \\ \$6.0080\$                                                              | Chisels—                                                                                                | Lane's                                                                               |
| Cary's "Universal," in case lots,<br>20&10@20&10&10\$                 | Bullard's                                                                                                                | SOCKET FRANING AND FIRMER-                                                                              | Diggers—                                                                             |
| Braces— Barbers'50&10@60&10s                                          | Socket                                                                                                                   | Buck Bros                                                                                               | See Post Hole, etc.                                                                  |
| Barbers' Ratchet                                                      | Carpet Sweepers—                                                                                                         | Douglass                                                                                                | Dividers — See Compasses, Dividers, etc.                                             |
| ives:                                                                 | Bissell's "Cyco" Bearing "American Queen"                                                                                | Ohio Tool Co                                                                                            | Dog Collars—                                                                         |
| Barbers' Ratchet 60@60&10%                                            | Bissell s "Cyco" Bearing "Boudoir"                                                                                       | Swan                                                                                                    | Chapman Mfg. Co.'s New List:                                                         |
| New Haven Ratchet 60&10g                                              | Bissell's "Cyco" Bearing "Ideal" 25.00                                                                                   | Witherby                                                                                                | Chain (full assortment)40&104<br>Leather (full assortment)40&104                     |
| Бропога                                                               | Bissell's "Cyco" Bearing "Gold Medal" 24.00                                                                              | TANGED AND MISCELLAMEOUS—                                                                               | Pope & Stevens: Brass                                                                |
| No. 108@11414                                                         | Bissell's "Cyco" Bearing "Premier"                                                                                       | Box                                                                                                     | Embossed                                                                             |
| Lancaster Mach. & Knife Works40%<br>Peck's (P. S. & W. Co.) 50&10@80% | Bissell's "Cyco" Bearing "Prize" 24.00<br>Bissell's "Cyco" Bearing "Wei-                                                 | Buck Bros                                                                                               | Union Hardware Co. New List 50@50&10\$                                               |
| Gen. Spofford's,50&10@60%                                             | come '' 24.00  Riesell's "Cyco" Rearing "Sn-                                                                             | C. E. Jennings & Co                                                                                     | Door Bolts—                                                                          |
| Brackets—                                                             | perior"                                                                                                                  | Chisels and Gouges                                                                                      | See Bolts, Door.                                                                     |
| Door Screen. 60&10%<br>Shelf, Bradley's Patent                        | Rapids," japan trimmed 22.00<br>Bissell's "Cyco" Bearing "Grand                                                          | Tanged Firmers'40@40&10%                                                                                | Door Checks—                                                                         |
| Shelf, Plain, Regular list                                            | Rapide," nickel trimmed 24,00 Bissell's "Standard," japan                                                                | COLD CHISELS— Good quality, № 1b                                                                        | Bardsley's                                                                           |
| @50&5%<br>Window Screen Corner60&10%                                  | trimmed                                                                                                                  | Smell's Best C. S                                                                                       | Eclipse                                                                              |
| Reading, Plain                                                        | Bissell's "Standard," nickel trimmed                                                                                     | Cleaners, Sidewalk— % dog                                                                               | Norton's                                                                             |
| Bracket Saw Frames-                                                   | trimmeu 19.00                                                                                                            | Challenge Shank         \$8.25           Star Shank         4.00                                        | Door Holders—                                                                        |
| Millers Falls Co25%                                                   | Bissell's "Crown Jewel," nickel                                                                                          | Star Socket 4.25                                                                                        | Empire50s                                                                            |
| Bracket Sets—<br>Millers Falls Co83144                                | trim ned                                                                                                                 | Clippers—<br>norse—                                                                                     | Door Springs—                                                                        |
| Box Hooks, Openers and Scrap-                                         | Bissell's "Cyco" Bearing "Grand" 80.00<br>Bissell's "Cyco" Bearing "Club" 54.00<br>Bissell's "Cyco" Bearing "Hall" 60.00 | Chicago Flexible Shaft Co.'s:                                                                           | Champion (Coil)                                                                      |
| ers-                                                                  | Bissell's "Cyco" Bearing "Hall" 60,00                                                                                    | Chicago Belt Clipping Machine,<br>Each \$15.00 net                                                      | Rubber, complete, # doz. \$5.50.46@5%<br>Star (Coil), list Oct. '958%                |
| Humason & Beckley's60&60&10%  Bright Wire Goods—                      | Subject to quantity rebates as follows: 8 doz. a rebate of 50 cents per doz.                                             | New '98, Chicago Each 8.75 net                                                                          | Torrey's Rod, 89 in., \$ gro\$15.00<br>Torrey's Rod, 43 in., \$ gro 42.00            |
| Standard. New list80                                                  | 5 doz. a rebate of \$1.00 per doz.<br>10 doz. a rebate of \$2.00 per doz.                                                | TOILET Chicago Flexible Shaft Co.'s: \$\vartheta\ \text{doz.}                                           | Victor, Coll50&10&10&                                                                |
| Bull Rings—                                                           | Bissell's Improved "Misses" 9.00 (Subject to quantity discounts.)                                                        | Mascot                                                                                                  | Drain Cleaners—                                                                      |
| Humason, Beckley & Co.'s                                              | Carriage Bolts—                                                                                                          | Stewart Pat                                                                                             | Iwan's Adjustable                                                                    |
| Sargent's                                                             | See Bolts.                                                                                                               | Clips—                                                                                                  | Drawer Pulls—                                                                        |
| Seymour Smith & Sons60%  Bull Punches—                                | Carriage Makers' Clamps—                                                                                                 | Norway Axle                                                                                             | Sargent's List                                                                       |
| Humason & Beckley's25%                                                | See Clamps.                                                                                                              | Superior Axle Clips60&10&10%                                                                            | _                                                                                    |
|                                                                       |                                                                                                                          |                                                                                                         |                                                                                      |



| Drawing Knives-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Disston's Superfine                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Adjustable Handle25@25&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Eagle                                                                                                                                                                                                |
| Bradley's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Kearney & Foot                                                                                                                                                                                       |
| Jennings & Grimn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Keystone                                                                                                                                                                                             |
| Mix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Nicholson       70&10%         Nicholson's X. F. Files       80@25&10%         Royal       80@80&10%                                                                                                 |
| P. S. & W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Royal                                                                                                                                                                                                |
| Watrous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | IMPORTED—                                                                                                                                                                                            |
| L. & I. J. White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | StubeStubs' list, 80@88145                                                                                                                                                                           |
| Drills and Drill Stocks-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Filters—                                                                                                                                                                                             |
| Automatic Boring Tools50%<br>Bench, Manneers66%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Acora                                                                                                                                                                                                |
| Blacksmiths'60%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Subject to trade discount.                                                                                                                                                                           |
| Blacksmiths                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Fish Hooks—                                                                                                                                                                                          |
| Breast, Millers Fails, each \$8.00.15&10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Amer. Fish Hook Co. list 60@60&10%                                                                                                                                                                   |
| Ratchet, Billings' Double Acting. 88165                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Kirby & Limerick, low list (50c base). 10%                                                                                                                                                           |
| Ratchet, Ingersoll's25% Ratchet Merrill's20@20&5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Fish Scalers—                                                                                                                                                                                        |
| Clamp 20% Ratchet, Billings' Double Acting . 83148 Ratchet, Ingersoll's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Covert's Saddlery Works:<br>Great American                                                                                                                                                           |
| Ratchet, Whitney's50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fitch'snet prices                                                                                                                                                                                    |
| Astchet, Whitney's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Fluting Scissors—                                                                                                                                                                                    |
| Upright, B. & P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | List45%                                                                                                                                                                                              |
| Whitney's Hand Drill, No. 1, \$10.00;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Forges— Boynton & Plummers60%                                                                                                                                                                        |
| Adjustable No. 10, \$12.0088345 Wilson's Drill Stocks105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | · Forks—                                                                                                                                                                                             |
| TWIST DRILLS-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Steel Goods Association List, Aug.                                                                                                                                                                   |
| See Augers and Bits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1, 1899.                                                                                                                                                                                             |
| BLACKSMITHS'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Barn or Ice Forks                                                                                                                                                                                    |
| Coe's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Beet Forks                                                                                                                                                                                           |
| Drug Mills-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Coal Forks                                                                                                                                                                                           |
| National Specialty Mfg. Co80%<br>Enterprise Mfg. Co25@30%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Hay Forks, Four Tine, Standard<br>Size                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Hay Header and Baler Forks, Four                                                                                                                                                                     |
| Easy Lawn Swings— \$\psi \doz.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Manure Forks, Four Tine75%                                                                                                                                                                           |
| Ulrich Mfg. Co\$85.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Manure Forks, Four Tine 70& 30% Manure Forks, Five and Six Tine 70% Grain or Barley Forks 70& 10& 20% 75%                                                                                            |
| Egg Beaters—<br>Keystone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | HERVY MIII. MANUTE OF SHECL POLKS. 103                                                                                                                                                               |
| Keystone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Oyster Forks40&5%<br>Potato Digging Forks65%                                                                                                                                                         |
| Standard CoNet prices. Taplin Mfg. CoNet prices.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                      |
| Emery-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Stuice Forks                                                                                                                                                                                         |
| Genuine Turkish Walnole Mills.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Shaving Forks. 40&5% Sluice Forks. 40&5% Socket Hay Forks, Four Tine. 66%&5% Socket Manure Forks, Four Tine. 70% Socket Spading Forks, Four Tine.                                                    |
| No. 6 to 46, \$\pi\$ \bar{\text{D}} \bar{\text{D}} \\ \text{No. 54 to 150, \$\pi\$ \bar{\text{D}} \\ No. 54 to 150, \$\pi\$ \\ \text{No. 54 to 150, \$\pi\$ \\ | Socket Spading Forks, Four Tine, 70&5&5&2\(\sigma^2\)                                                                                                                                                |
| Flour, # 15 8c)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Spading Forks                                                                                                                                                                                        |
| Enameline— # gro.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Tanner's Forks40&5%                                                                                                                                                                                  |
| No. 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Hay Forks, Three Tine, Standard                                                                                                                                                                      |
| Escutcheons—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Hay Header and Baler Forks, Three                                                                                                                                                                    |
| Wood                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Spading Forks 702.52 Stone Picking Forks 65% Tanner's Forks 402.5% Hay Forks, Three Tine, Standard Size 66746 Hay Header and Baler Forks, Three Tine 67142.24 Hay Forks, Two Tine, Standard Size 65% |
| Expansive Bits-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8ize65%                                                                                                                                                                                              |
| See Augers and Bits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Fruit, Wine and Jelly Presses.                                                                                                                                                                       |
| Farriers' Knives— # doz.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Enterprise                                                                                                                                                                                           |
| "Challenge"\$3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Fry Pans                                                                                                                                                                                             |
| Popes 8.00 Wilkinson's 8.00 et                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Rurnished, regular goods75@75&10\$                                                                                                                                                                   |
| Wostenholm's\$3.2510≴                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                      |
| The second secon                                                                                                               | Standard List                                                                                                                                                                                        |
| Faucets—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Standard List                                                                                                                                                                                        |
| Brass Globe Cocks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Standard List                                                                                                                                                                                        |
| Brass Globe Cocks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Standard List                                                                                                                                                                                        |
| Brass Globe Cocks       65@65&5%         Brass Racking       65@65&5%         Compression Bibbs       65@55&10%         Compression Bibbs with flange       65&10@70%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Standard List                                                                                                                                                                                        |
| Brass Globe Cocks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Standard List                                                                                                                                                                                        |
| Brass Globe Cocks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Standard List                                                                                                                                                                                        |
| Brass Globe Cocks         65@65&5%           Brass Racking         55@65&6%           Compression Bibbs         65@65&10%           Compression Bibbs with flange         65&10@70%           Lever Handle Bibbs, Gr. Ky.         Hgh         65&10@70%           Fin         60&5@60&10%           Red Cedar         40@40&10%           Red Cedar, bbl. lots         50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Standard List                                                                                                                                                                                        |
| Brass Globe Cocks         65@65&5%           Brass Racking         55@65&6%           Compression Bibbs         65@65&6%           Compression Bibbs with flange         65&10@70%           Lever Handle Bibbs, Gr. Ky.         Rgh           Rgh         65@65&10%           Fin         60&5@60&10%           Red Cedar         40@40&10%           Red Cedar, bbl. lots         50%           Frary's Iron Petrolsum         65@65&5%           John Sommer's "Peerless." Tin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Standard List                                                                                                                                                                                        |
| Brass Globe Cocks       65@65&5%         Brass Racking       55@65&5%         Compression Bibbs       65@55&10%         Compression Bibbs with flange       65&10@70%         Lever Handle Bibbs, Gr. Ky.       Rgh       65@65&10%         Fin       65@65&10%       Fin       65@65&10%         Red Cedar       40@40&10%       Red Cedar, bbl. lots       50%         Frary's Iron Petroleum       65@65&5%       John Sommer's "Peerless," Tin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Standard List                                                                                                                                                                                        |
| Brass Globe Cocks         65@65&5%           Brass Racking         65@65&6%           Compression Bibbs         65@65&10%           Compression Bibbs with flange         65&10@70%           Lever Handle Bibbs, Gr. Ky.         65&10@70%           Lever Handle Bibbs, Gr. Ky.         65@65&10%           Fin         605@60&10%           Red Cedar         40@40&10%           Red Cedar, bbl. lots         50%           Frary's Iron Petroleum         65@65&5%           John Sommer's "Peerless," Tin         40%           John Sommer's "Boss," Tin Key         50%           Lohn Sommer's "Victor." Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Standard List                                                                                                                                                                                        |
| Brass Globe Cocks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Standard List                                                                                                                                                                                        |

| Disston's Superfine                                                                                   |
|-------------------------------------------------------------------------------------------------------|
| Great Western                                                                                         |
| Royal. 80@80&10%<br>Second Quality Files. 80&10%                                                      |
| StubeStubs' list, 30@381/65 Filters—                                                                  |
| Acora                                                                                                 |
| Fish Hooks— Amer. Fish Hook Co. list60@60&10% Kirby & Limerick, low list (50c base).10% Fish Scalers— |
| Covert's Saddlery Works: Great American 60&20% Fitch's net prices                                     |
| Fluting Scissors—<br>List                                                                             |
| Forges— Boynton & Plammers60% Forks—                                                                  |
| Steel Goods Association List, Aug.                                                                    |
| 1, 1899.  Barn or Ice Forks                                                                           |
| Beet Forks. 40&5% Coal Forks. 40&5% Coke and Cotton Seed Forks. 40&5% Hay Forks, Four Tine, Standard  |
| Har Hooden and Raler Forks Four                                                                       |
| Manure Forks, Four Tine                                                                               |
| Heavy Mill, Manure or Street Forks. 75%<br>Oyster Forks                                               |
| Potato Scoop Forks                                                                                    |
| Manure Forks, Four Tine                                                                               |
| 70&5&5&2\sis                                                                                          |
| Tanner's Forks                                                                                        |
| Hay Header and Baler Forks, Three Tine 67%&21/45                                                      |
|                                                                                                       |
| Fruit, Wine and Jelly Presses. Enterprise                                                             |
| Fry Pans                                                                                              |
| Burnished, regular goods75@75&10%                                                                     |
| Acme Fry Pans                                                                                         |
| No                                                                                                    |

| Glue Pots —  Enameled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Graters—<br>Enterprise25@80%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Griddles—<br>Cronk's70%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Grindstone Fixtures— P., S. & W. Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sargent's Patent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| See Ammunition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gun Wads—<br>See Ammunition.<br>Hafts—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Britton's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Covert Mfg. Co:       Jute Rope Halters       35%         Sisal Rope       20%         Web Halters       45%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Web Halters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| See Chain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Hammers—  Handled Hammers— Humsson & Reckley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| HANDLED HAMMERS— Humsson & Beckley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Maydole's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| A. E. Nail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Verree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HEAVY HAMESS AND SLEDGES<br>Under 8 b \$ b 40c<br>8 to 5 b \$ b 86c<br>Over 5 b \$ b 80c 75&10@≤0≴<br>Wilkinson's Smiths 914c@10c \$ b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Hammock Ropes— Covert Mfg. Co.: Juta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Jute                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ulrich Mfg. Co.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Handles—  IRON, WROUGHT OR CAST—  On a Manufacture of the cast of |
| Chest Handles, Sargent's 50&10%<br>Chest Handles, Stearns' No. 1, Door<br>or Thumb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| or Thumb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Drawer Handles     70%       Ring Handles     70%       Rogein's Latches     85@95&10%       Self Box Handles     60%       Trunk Handles     60%       Tub Handles     60%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| STORE DOOR HANDLES— Bronzed, with Cylinder Lock50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ### STORE DOOR HANDLES— Bronzed, with Cylinder Lock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DOOR PULL— Bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Barn Door                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Plain B. M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DOOR PULL   Barn   Book PULL   Barn   Book PULL   Barn Door   50 & 10 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| WOOD—  Wood— Auger, assorted # gr. \$2.25@2.50 Auger, large # gr. \$.00@3.25 Auger, Douglass Pat., # set, No. 1.  \$1.0 : No. 2, \$1.40.60&10\$ Auger, Ives' Pat., No. 1 60&10\$ No. 2 to 321\$ Auger, Swan's Pat., # set, No. 3, \$1.00; No. 4, \$1.25 25&10\$ Brad Awl # gr. \$1.75@\$2.00 Chisel, Worcoster, Leather Cap'd 50\$ File, assorted # gr. \$1.25@1.40 Firmer Chisel, Apple, assorted, # gr. \$2.25@2.50 Hammer, Hatchet, Axe, Sledge, etc.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Auger, Douglass' Pat., \$1.6.1, No. 1, \$1.0; No. 2, \$1.40.60&10%<br>Auger, Ives' Pat., No. 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| No. 2 to 8234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Brad Awl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| File, assorted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 50&2%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hoe, Rake and Fork 60&10@60&10&5% "Simplicity" File Handles, # gr. \$ .90@1.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Shovel and Spade, Wood D. Handle, 50@50&10\$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| GROSS-CUT SAW HANDLES—<br>Atkins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Hangers-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Barn Door, old pattern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| No. 0 \$4 50 net per dozen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                                 | CIODE 6 Steel, COV'd, LOOSS A TIS SUASSE                                                                      |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 10&10@50%<br>40@40&5%                           | Coburn                                                                                                        |
| 07.0004                                         | Barn Door, Standard                                                                                           |
| 25@80%                                          | Special                                                                                                       |
| 70%                                             | Standard                                                                                                      |
| 0@50&10%                                        | New Model " 2.75@                                                                                             |
| 0&10&10%<br>50%                                 | Manhattan                                                                                                     |
|                                                 | \$18.00; No. 1 Special, \$15.00, \$4 dozen pairs                                                              |
|                                                 | dozen pairs 60&10≴<br>Myers' Stay-on 50&10∜<br>Warner's Patent 20&10&10≴<br>Wilcox's New Century 50&10&10≴    |
|                                                 | Harness Snaps—                                                                                                |
| do <b>m e</b> e ko                              | See Snaps.                                                                                                    |
| doz. <b>\$</b> 6.50                             | Hasps and Staples— McKinney's "Perfect," \$1.10 ₩ doz.50%                                                     |
| 85%                                             | Wrought                                                                                                       |
| 20%<br>45%                                      | Hatchets-                                                                                                     |
|                                                 | See Axes.  Hay Hooks—                                                                                         |
|                                                 | Humason & Beckley 60&10≴                                                                                      |
|                                                 | Hay Racks—<br>Baxter Wrought Iron, No. 1, \$1.00,                                                             |
| \$1.25,                                         | uet; No. 2, \$1.50, net.                                                                                      |
| \$1.20,<br>40&10%<br>50&10%<br>.5@40&10%        | Hay Tools— F. E. Myers & BroNet prices.                                                                       |
| 0@40&10%<br>40&10%                              | Hay and Straw Knives—                                                                                         |
| 15@45&10 <b>%</b>                               | Auburn Hay, Com. and Spear Point .50%<br>Iwan's Hay, Sickle Edge, \$ doz. net \$10                            |
| 50&10%<br>25%                                   | Iwan'a Hay Ima Sartated 24 dog                                                                                |
| ogrs<br>10@80&10\$                              | net. \$10.50 Auburn Straw 405 Lightning, from jobbers 60&55 Wadsworth's 60&65                                 |
| 75&10@8 <b>0</b> \$                             | Hinges—                                                                                                       |
| c@10c ₩ 1b                                      | WROUGHT IRON HINGES-                                                                                          |
| 35%                                             | Screw Hook 814c.<br>14 to 20 in., 30 b, 814c.                                                                 |
| 20%                                             | and Strap, 22 to 36 in., \$ b,                                                                                |
|                                                 | STRAP AND T HINGES.                                                                                           |
| oz., \$15.00                                    | New List, March 15, 1901. Light Strap                                                                         |
| r—<br>50&10≴                                    | Light T                                                                                                       |
| 1 Door                                          | New List, March 16, 1101. Light Strap                                                                         |
| 80c.70%<br>8 4<br>\$1.85 \$1.50                 | Long Chest                                                                                                    |
| 50&10%<br>60%                                   | or intro mandale                                                                                              |
| 85@85&10%                                       | Bommer's Brothers.  Bommer Spring Hinges40% Bommer B. B. Floor Hinges40%                                      |
| 65%<br>60%<br>60&10%                            | Bommer B. B. Floor Hinges40% Bardsley's Patent Checking15% Chicago25%                                         |
| 50%                                             | a                                                                                                             |
| 45 & 10%                                        | Clark's, Nos. 1, 2, 350&10@00&10\$  N. E., \$\Psi\$ doz. \$7.80                                               |
| 45&10%<br>45&10%                                | N. Y. State, 3 doz. \$4.90                                                                                    |
| 80@60&10 <b>%</b>                               | BLIND HINGES—                                                                                                 |
| 50&10%<br>80@60&10%<br>50&10@60%                | Clark's:<br>Lull & Porter, Nos. 0, 1, 114, 2, 214,<br>8                                                       |
| 80@60&10%<br>80@60&10%                          | Mortise Gravity                                                                                               |
| 70&10%<br>60&10&10%                             | Nos. 40 and 50                                                                                                |
| 66%                                             | Nos. 40 and 50                                                                                                |
| \$2.25@2.50<br>8.00@8.25                        | Stanley's Steel Gravity Blind Hinges,<br>with Screws, \$1.30 \$\pi\$ doz. sets. 80&10%                        |
| No. 1,<br>40.60&10%                             | Hitching Cords—                                                                                               |
| 60&10%<br>40%                                   | Covert Mfg. Co456 Hoes—                                                                                       |
| No. 8,<br>25&105<br>1.75@\$2.00                 | Steel Goods Association List, Aug. 1,                                                                         |
|                                                 | Asphalt Hoes                                                                                                  |
| 50%<br>\$1.25@1.40<br>d, \$9 gr.<br>\$2.25@2.50 | Cotton Chopper Hoes                                                                                           |
| ge, etc.,<br>50&2%                              | Jersey Hoes                                                                                                   |
| gorations                                       | Jersey Hoes 65%<br>Kretzinger, Cut-Ezy 75&5%<br>Ladies' Cotton Hoes 75&10&74%<br>Laid Steel Edge Hoes 25&5&3% |
| \$ .90@1.50<br>\$0&10@50%                       | Laid Steel Edge Hoes                                                                                          |
| Handle,<br>50@50&10≴                            | Mortar and Street Hoes                                                                                        |
| 68<br>40%<br>48@45&10¢                          |                                                                                                               |
| 45@45&10 <b>s</b>                               | Special Mortar Hoes40&10&3445 Sunhem Meadow Hoes75&5&244                                                      |
| 60&10%<br>66%@70%                               | Special Hoes                                                                                                  |
| 50%                                             | Truck Hoes.       50&10&2≴         Warren Hoes.       60≴         Weeding Hoes and Rakes.       .75≴          |
| per dozen.                                      | Weeding Hoes and Rakes75%  Hollow Augers—                                                                     |
| 60&10&5%                                        | See Augers and Bits.                                                                                          |

| Hollow Ware—                                                              | N. J. Car Spring & Rubber Co.:<br>Extra Para40&105                                                  | Letter Box Plates—<br>Name Door Plate50@50&10%                                                                                                                                                                  | Mitre Boxes— C. E. Jennings & Co                                                        |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| RNAMELED—<br>Agate Nickel Steel Ware, list July,                          | Reliable                                                                                            | Name Plate 70%                                                                                                                                                                                                  | Beavey's, \$2 doz. \$30                                                                 |
| 1899                                                                      | Standard                                                                                            | Number Door Plate                                                                                                                                                                                               | Mop Wringers—                                                                           |
| Jan. 2, 189540 & 10x                                                      | Ice Awls, Chippers, &c.—                                                                            | Levels-                                                                                                                                                                                                         | Matchless (Canton, O.), \$\Pi\$ doz\$12.00                                              |
| Second Quality, Agate Nickel Steel.65%<br>Second Quality, Granite,        | Copeland Ice Pick gr. \$9.00 net<br>Crownnet                                                        | C. E. Jennings & Co, 's:                                                                                                                                                                                        | Motors-                                                                                 |
| 70&10@70&10&10%<br>Iron Clad :                                            | Gem Ice Shavenet                                                                                    | Hexagon                                                                                                                                                                                                         | Specialty Novelty Coeach \$5.00                                                         |
| Peppered Ware, high list70%<br>Mottled Ware, high list75%                 | Surgent's Ice Aves                                                                                  | Lifters—                                                                                                                                                                                                        | Nails—                                                                                  |
| Never Break Enameled50&5@50&10%                                           | Starnet                                                                                             | See Transom Lifters.                                                                                                                                                                                            | WIRE AND OUT NAILS-                                                                     |
| Ground                                                                    | Ice Cream Freezers                                                                                  | Lines—                                                                                                                                                                                                          | See Review of the Markets for quotations.                                               |
| Unground                                                                  | See Freezers, Ice Cream.  lee Shredders—                                                            | Cotton and Linen Fish, Draper's50%<br>Cotton Chalk, 20 feet60&10%                                                                                                                                               | Wire Nails and Brads, Papered, Ass'n<br>list, July, 1899                                |
| WHITE ENAMELED-WARE—<br>Boilers and Saucepans50@50&10%                    | Euterprise, No. 38. # doz. \$6.0025@30%                                                             | Cotton Trot881/65                                                                                                                                                                                               | PICTURE—                                                                                |
| Maslin Kettles                                                            | No. 84. \$\text{\$\text{\$\text{doz.}}\$ 15.0025@80\$                                               | Masons':<br>Colored Cotton40&10%                                                                                                                                                                                | Brass Head, Combination list                                                            |
| 50@50&10 <b>%</b>                                                         | Jack Chain—                                                                                         | Flax                                                                                                                                                                                                            | Niles' Patent                                                                           |
| SILVER PLATED—<br>4 mo. or 5% cash in 80 days.                            | See Chain.  Jack Screws—                                                                            | Samson Cotton, No. 4, \$2.00; No. 4½ \$2.5010%                                                                                                                                                                  | Porcelain Head, Sargent's list50%                                                       |
| Hartford Silver-Plate Co40&5%<br>Holmes & Edwards Silver Co.40&15&5%      | See Screws.                                                                                         | Silver Lake, Braided, No. 0, \$6.00                                                                                                                                                                             | FURNITURE— Antique Bronze                                                               |
| Meriden Britannia Co                                                      | Kettles-                                                                                            | No. 1, \$6.50; No. 2, \$7.00; No. 8, \$7.50 % gross                                                                                                                                                             | China254                                                                                |
| Rogers & Brother4(&5%                                                     | Spun Brass, Plain                                                                                   | Ventilator Cord, Samson Braided,<br>White or Drab Cot. # doz. \$7.50 20%                                                                                                                                        | Fire Gilt                                                                               |
| Simpson, Hall, Miller & Co40&5%<br>William Rogers Mrg. Co40&10%           | Spun Brass, plated inside with White Metal10@15%                                                    | Wire Clothes, 100 feet, No. 18, \$2,25;<br>No. 19, \$2.00; No. 20, \$1.75.                                                                                                                                      | Nail Pullers-                                                                           |
| Hooks-                                                                    | Knives-                                                                                             |                                                                                                                                                                                                                 | Ajax, 5 lbs                                                                             |
| AGRICULTURAL— Potato, all kinds                                           | Ames':<br>Bread Knives, # doz \$1.5020%                                                             | Loaded Shells— See Ammunition.                                                                                                                                                                                  | Black Hawk, # doz                                                                       |
| Manure 70%                                                                | Butcher Knives                                                                                      | Locks-                                                                                                                                                                                                          | Eclipse                                                                                 |
| Iows F. T. Co.'s Clam60&10&214%                                           | Cronk's Chopping                                                                                    | DOOR LOCKS, LATCHES, &C.                                                                                                                                                                                        | Giant, No. 1, # doz. \$18.00; No. 114, \$16.50; No. 2, \$15.00   \$0.255; Lightning     |
| Jennings & Griffin's881/4 &5%                                             | Duniap Kitchen and Bread Knives25%<br>Foster Bros.' Butcher, &c80%                                  | Branford Lock CoLet prices<br>Champion Night Latches40%                                                                                                                                                         | \$16.50; No. 2, \$15.00                                                                 |
| CORN—<br>Kretzinger Cut-Ezy% doz. \$3 net                                 | Goodell's: Bread Knives Ass'n listnet                                                               | Lockwood Mfg. Co50%<br>Moore's Elevator Door40%                                                                                                                                                                 | National                                                                                |
| CAST IRON-                                                                | Butchernet                                                                                          | Norwalk Lock Co40%                                                                                                                                                                                              |                                                                                         |
| Bird Cage, Sargent's list60&10&10%<br>Bird Cage, Reading60@60&10%         | Shoe Knives                                                                                         | Plate                                                                                                                                                                                                           | Small, No. 8                                                                            |
| Bird Cage, Williamson                                                     | Hay and Straw, see Hay Knives. Table and Pocket, see Cutlery.                                       | Reading Hardware Co                                                                                                                                                                                             | ' '' No. 8 D                                                                            |
| Changeller 70%<br>Clothes Line, Sargent's list 50&10%                     | Wilson's Butcher Knivesnet                                                                          | Yale net prices                                                                                                                                                                                                 | Large, No. 1                                                                            |
| Coat and Hat Servent's list \$0.8-10s                                     | Knives, Hay and Straw-                                                                              | CABINET— Eagle Lock Co881/45                                                                                                                                                                                    | " No. 2 B                                                                               |
| Coat and Hat, Reading                                                     | See Hay Knives.                                                                                     | Corbin831/65                                                                                                                                                                                                    | Nail Sets ·                                                                             |
| Harness, Sargent's list 50@50&10%<br>Lamp                                 | Knobs— Bardsley's Wood Door, Shutter and                                                            | Yale                                                                                                                                                                                                            | Buck Bros                                                                               |
| Picture75%                                                                | Base                                                                                                | Acme Bicycle and Satchel. W doz                                                                                                                                                                                 | Cannon's Diam'd Point, \$8 gro. \$12, 256<br>Humason's                                  |
| Screw Hat                                                                 | Base, Rubber Tip, 21 in. Bead, \$\vartheta\$ gr. \$1.50<br>Carriage, Jap \$\vartheta\$ gr. 80c. 60% | \$9.00                                                                                                                                                                                                          | Hunters' Cup Point, Knurled \$10.00                                                     |
| WROUGHT IRON AND STEEL—<br>Cotton                                         | Door Mineral, R. & E. list50%<br>Door Por. Jap'd. "50%                                              | Brown's Brass                                                                                                                                                                                                   | Hunters' Cap Point, Plain. 9.00                                                         |
| Cotton Pat. (N. Y. Mallet & Handle                                        | Carriage, Jap                                                                                       | Champion                                                                                                                                                                                                        | Octagon 4.00@4.75<br>Round, assorted 3.00@3.85                                          |
| Works)                                                                    | Picture, Sargent s                                                                                  | Scandinavian90&25≴                                                                                                                                                                                              | Square 4.00@4.25<br>Snell's:                                                            |
| ♥ doz                                                                     | Yale & Towne Woodnet                                                                                | McWilliams                                                                                                                                                                                                      | Octagon                                                                                 |
| Taesel, T. & S. Mfg. Co50&10g<br>Wrought Staples, Hooks, &c.              | Latches—  ₹ doz.                                                                                    | Wrought Iron                                                                                                                                                                                                    | Knurled 9.09                                                                            |
| See Wrought Goods.                                                        | Cronk's Barn Door Net, \$2.25<br>Lane's Barn Door40@40&10\$                                         | TRUNK-                                                                                                                                                                                                          | Nippers—                                                                                |
| MEAT—<br>Enterprise40≴                                                    | Lawn Mowers—                                                                                        | Corbin's                                                                                                                                                                                                        | Acme                                                                                    |
| Humason & Beckley80&10\$                                                  | Champion                                                                                            | Machine Bolts—                                                                                                                                                                                                  | Todd's Cutting50%                                                                       |
| WIRE— Atlas Coat and Hat                                                  | Clipper Improved50&10&10&5%<br>Continental60&10%                                                    | See Bolta.                                                                                                                                                                                                      | Nut Crackers— F gro.                                                                    |
| Belt                                                                      | Enterprise                                                                                          | Mail Boxes—                                                                                                                                                                                                     | Acme, Japanned                                                                          |
| Wire Coat and Hat, Acme50&10@50<br>&10&5≴                                 | Styles M., S., C., K., T70&10\$<br>Style A. (all steel)60&10\$                                      | See Boxes, Mail.                                                                                                                                                                                                | Turner & Seymour Mfg. Co5%                                                              |
| Wire Coat and Hat, Gem50&10@50<br>&10&5≰                                  | Style E., Low Wheel60&10%                                                                           | Mallets—                                                                                                                                                                                                        | Nuts- Off list.                                                                         |
| Wire Ceiling, Gem50&10@50&10&5%                                           | Style E., High Wheel                                                                                | Sargent's List:<br>Hickory                                                                                                                                                                                      | Hot pressed, square, blank                                                              |
| Wire Coat and Hat, Standard45% MISCELLANEOUS—                             | Gold Coins, low list                                                                                | Lignumvitæ50@50&10%                                                                                                                                                                                             | Hot pressed, square, tapped 5.20                                                        |
| Covert Mfg. Co.:<br>Safety Gate and Scuttle Hooks85%                      | Great American                                                                                      | Mattocks—                                                                                                                                                                                                       | Hot pressed, hexagon, tapped 5.90<br>Cold punched, plain, square, blank 5.10            |
| Grass No. 2, \$1.65; 8, \$1.80; 4, \$2.00                                 | New Departure, Low Wheel75%                                                                         | Cronk's Garden                                                                                                                                                                                                  | Cold punched, plain, square, blank 5.10<br>Cold punched, hexagon, square,<br>blank 5.50 |
| Hooks and Eyes—Brass                                                      | New Eary 60&10@60&10&10%<br>New York                                                                | Meat Cutters—                                                                                                                                                                                                   | blank                                                                                   |
| Cotton, Box and Hay60@60&10%                                              | Pastime: 12 in. 14 in. 16 in.                                                                       | American                                                                                                                                                                                                        | Cold punched, plain, bexagon,                                                           |
| Horse Clippers— See Clippers.                                             | \$6.00 \$6.25 \$6.50 each net<br>Pennsylvania                                                       | Each. \$5 \$7 \$10 \$25 \$50 \$60                                                                                                                                                                               | tapped                                                                                  |
| Horse Nails—                                                              | Kacine                                                                                              | American                                                                                                                                                                                                        | Oilers— Resea and Copper 40 \$100 505                                                   |
| Nos. 6 7 8 9 10                                                           | Rapid Transit                                                                                       | \$14 \$17 \$19 \$30<br>Enterprise                                                                                                                                                                               | Brass and Copper                                                                        |
| A. C25c 23c 22c 21c 21c40&5%<br>American, all sizes10½c net               | Sunbeam                                                                                             | Enterprise                                                                                                                                                                                                      | Leader                                                                                  |
| American, all sizes                                                       | Lawn Sprinklers—<br>Enterprise                                                                      | Hales Pattern, # doz                                                                                                                                                                                            | Perfect Orlers                                                                          |
| C. B. K 25c 23c 22c 21c 21c 40s<br>Capewell 19c 18c 17c 16c 16c 10&5%     | Gibbs Arc                                                                                           | Nos                                                                                                                                                                                                             | Draper's:                                                                               |
| Champlain 28c 26c 25c 24c 23c                                             | Philadelphia Lawn Mower Co.:                                                                        |                                                                                                                                                                                                                 | Steel                                                                                   |
| 40@40&10%<br>Clinton Fin . 19c 17c 16c 15c 14c . 80&5%                    | Philadelphia Lawn Sprinkler:<br>No. 1. No. 2. No. 8.                                                | Nos 805 810 812 820 822<br>\$85 \$48 \$44 \$72 \$68                                                                                                                                                             | Malleable, Hammers, New Style, 1045-6205                                                |
| Essex 28c 26c 25c 24c 28c 40&10@50%                                       | \$\doz. \$12.00 \\$15.00 \\$24.0080\%                                                               | Miles' Challenge, @ doz45@45&10%                                                                                                                                                                                | Malleable, Hammers, Old Pattern,<br>same list50&105                                     |
| Lyra, all sizes Olde net                                                  | Leaders— Covert Mfg. Co. Cattle45%                                                                  | Nos 305 310 312 320 322 \$35 \$48 \$44 \$72 \$68 Miles' Challenge, \$\frac{1}{2}\$ 2 \$3 \$40 \$40 \$Woodruff's, \$\frac{1}{2}\$ \$40 \$35 \$40 \$40 \$40 \$50 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$4 | "Paragon," Brass 5.5±10.65% "Paragon," Zinc 70.670±10% Tower & Lyon Bicycle 255         |
| Mand S 25c 23c 23c 21c 21c 50%<br>Neponset. Nos. 5 to 10, % b 12c.        | Lead Pipe, Etc.                                                                                     | Nos 100 150                                                                                                                                                                                                     | Tower & Lyon Bicycle                                                                    |
| Northwestern 25c 23c 22c 21c 20c 25@25&5%                                 | Lead Pipe, full lengths614c                                                                         | \$15 \$18<br>Beef Shavers (Enterprise) 25@80\$                                                                                                                                                                  | Wilmot & Hobbs Mfg. Co.'s Steel<br>Anti Rust                                            |
| Putnam 28c 21c 20c 19c 18c 883455<br>Vulcan 23c 21c 20c 19c 18c . 25& 105 | Lead Pipe, cut lengths                                                                              | Chadborn's Smoked Beef Cutter                                                                                                                                                                                   | Zinc and Tin60&10@655                                                                   |
| Horse Shoes—                                                              | Block Tin Pipe                                                                                      | Meat Juice Extractors—                                                                                                                                                                                          | Oil Stones, etc.—                                                                       |
| Horse and Mule, Iron, per keg\$8.60                                       | Sheet Lead, cut rolls 8c                                                                            | Enterprise                                                                                                                                                                                                      | OIL STONES— Pike's Washita:                                                             |
| Steel, per keg                                                            | Quantity discount, 20%<br>Lemon Squeezers—                                                          | Motals, Anti-Friction-                                                                                                                                                                                          | Lily White, & b                                                                         |
| Horse Ties-                                                               | Berger Bros 29 doz ∈ \$1.00. 10-in                                                                  | Magnolia Metal Co.: # 15                                                                                                                                                                                        | 8x2\$19.00                                                                              |
| Covert Mfg. Co.:                                                          | \$1.40                                                                                              | Magnolia, Anti-Friction25c<br>No Name                                                                                                                                                                           | 7x2 11.00<br>6x2 10.00                                                                  |
| Hemp45≴                                                                   | 8, \$1.65; Queen, \$2.50, net<br>Hotchkies Straight Flush 21 doz 20 an                              | Mystic                                                                                                                                                                                                          | 5x2. 9.00<br>4x114 7.00                                                                 |
| Jute                                                                      | Jennings Star w doz. mi.marz.ou                                                                     | Melting Ladles—                                                                                                                                                                                                 | 81/4x1 5.50<br>Discount, 881/4&10%.                                                     |
| Hose, Rubber-                                                             | Little Giant                                                                                        | Monroe's Patent # doz. \$4.00, 40%                                                                                                                                                                              |                                                                                         |
| Boston Belting Co.:                                                       | 30 & 10 g 10 k                                                                                      | P. S. & W                                                                                                                                                                                                       | About 2x2x34 to 136, 8 b                                                                |
| Competition                                                               | Wood, Common, \$\pi\$ gross, No. 0, \$5.00;<br>No. 1, \$6.50; No. 2, \$10.00,                       | Sargent's                                                                                                                                                                                                       | Discount, 831/6%.<br>India Oil Stones                                                   |
|                                                                           | Tion of Morenet wine all Mithing                                                                    |                                                                                                                                                                                                                 |                                                                                         |

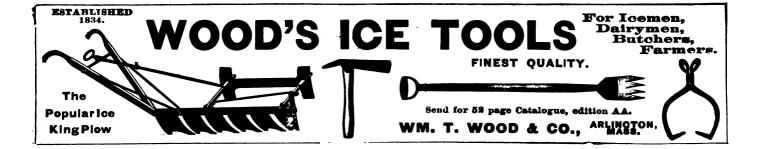


| Packing, Steam-                                                                                                                                                                                               | Polish Metal—                                                                                                                                              | No. 128, Fig. 510, 8 in. Lift<br>Pump 7.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Rope—<br>Cotton Rope, Best, % 15                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BOSTON Belting Co.:                                                                                                                                                                                           | Prestoline Liquid, New List40%<br>Prestoline Paste881/2@40%                                                                                                | No. 181, Fig. 510, 814 in. Lift                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | inch and larger1814@14c                                                                                                                                                                                                                  |
| "Boston" 60% "Excelsior" Plumbago, Pure, \$\pi\$                                                                                                                                                              | U. S. Metal Polish Paste, 8-ox. boxes,   doz                                                                                                               | Pump. 8.50<br>No. 225, Fig. 889, Windmill                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Common, 1 in. and larger11@114<br>Common, 1 in. and larger9@ 914                                                                                                                                                                         |
| Tb \$1.0050&10%                                                                                                                                                                                               | <ul> <li>∰ gross 4.50</li> <li>½-lb. boxes, ⊕ dox 1.25</li> </ul>                                                                                          | Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Jute Rope: A grade                                                                                                                                                                                                                       |
| Extra                                                                                                                                                                                                         | 11b. boxes, % doz 2.25                                                                                                                                     | Pump 16 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C grade 6                                                                                                                                                                                                                                |
| MISCELLANEOUS- P D                                                                                                                                                                                            | U. S. Liquid, 8-os cans, % doz 1.25<br>% gross                                                                                                             | No. 240, Fig. 406, Regulator<br>Pump 28.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Manila: 7 16 in. and larger18                                                                                                                                                                                                            |
| American Packing 9c@10c<br>Cotton Packing18c@14c                                                                                                                                                              | Barkecper's Friend Metal Polish,<br># doz 1.75                                                                                                             | No. 265, Fig. 572, Cyclone Tank<br>Force Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | % in                                                                                                                                                                                                                                     |
| talian Packing                                                                                                                                                                                                | ₩ gross18.00                                                                                                                                               | No. 267, Fig. 488, Geyser Tank<br>Force Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Hay Rope, Medium13                                                                                                                                                                                                                       |
| Inte                                                                                                                                                                                                          | Polish, Stove—                                                                                                                                             | No. 268, Fig. 518, Low Down                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7-16 in, and larger 91/4                                                                                                                                                                                                                 |
| Padlocks-                                                                                                                                                                                                     | Dixon's Plumbago \$9 lb<br>Joseph Dixon's \$9 gro. \$5.75, 10%                                                                                             | Tank Force Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | % in                                                                                                                                                                                                                                     |
| See Locks.                                                                                                                                                                                                    | Gem                                                                                                                                                        | complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Rules—                                                                                                                                                                                                                                   |
| Parers-                                                                                                                                                                                                       | Poppers, Corn—<br>Round or square, \$ doz. \$ gro.                                                                                                         | Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Athol, Steel                                                                                                                                                                                                                             |
| APPLE— # doz.<br>Advance \$ 4.50                                                                                                                                                                              | 1 qt \$ .75 \$ 7.00                                                                                                                                        | Spray Pump 10.00<br>Discount, 50% f. o. b. Ashland.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ivory85&10@35&10&10<br>Lufkin's:                                                                                                                                                                                                         |
| Baldwin 5.00                                                                                                                                                                                                  | 2 qt 1.15 10.50                                                                                                                                            | Punches—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Steel                                                                                                                                                                                                                                    |
| Bonanzaeach 5.00 Dandyeach 7.50                                                                                                                                                                               | Quincy Corn Popper, 1 qt., \$\(\frac{1}{2}\) doz. \$3.00; 2 qt., \$4.00                                                                                    | Bemis & Call Co.'s:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Miscellaneous, Stanley's 55&10                                                                                                                                                                                                           |
| ureka, 1898each 16.00<br>'amily Bay State                                                                                                                                                                     | Post Hole Diggers— * dos.                                                                                                                                  | Cast Steel Drive50&5%<br>Check55%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Starrett's Rules and Straight Edges,<br>Steel                                                                                                                                                                                            |
| mproved Bay State\$27@80.00<br>dttle Star4.00                                                                                                                                                                 | Disston's Samson Digger\$84.00, 25%                                                                                                                        | Spring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sad Irons—                                                                                                                                                                                                                               |
| lew Lightning 5.50                                                                                                                                                                                            | Iwan's Split Handle, & doz. net\$8.50<br>Iwan's Perfection, & doz. net\$9.00                                                                               | Morrill's Universal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Chinese Laundry \$ 15.56514<br>Chinese Sad 314.6334                                                                                                                                                                                      |
| Penn                                                                                                                                                                                                          | Ryan's # doz. \$20.00, 25%                                                                                                                                 | Niagara Hollow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Common 4 to 10 \$ <b>1111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111</b> \mat |
| teading, 78                                                                                                                                                                                                   | Post Hole Augers-                                                                                                                                          | Saddlers' or Drive, good60@65%<br>Snell's Tinners'50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | COLD HANDLED—<br>Enterprise Mfg. Co. of Pa80&5                                                                                                                                                                                           |
| cott's Pat. Rotary\$15.00, 20%                                                                                                                                                                                | Iwan's Patent Improved40%<br>Vaughan's, 6 to 9 in., \$\(\psi\) doz. net\$6.00                                                                              | Spring, good quality, \$2 doz., \$1.70@1.80<br>Spring, Leach's Pat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Safety Fuse—                                                                                                                                                                                                                             |
| Turntable, 1898       5.50         Vhite Mountain       4.00                                                                                                                                                  | Potato Hooks, etc.—                                                                                                                                        | Tinners' Solid, P. S. & W. Co.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | See Puse.                                                                                                                                                                                                                                |
| POTATO— # dos.                                                                                                                                                                                                | Hoe Down Hooks                                                                                                                                             | ♥ doz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Safety Lifts—                                                                                                                                                                                                                            |
| aratoga\$5.50<br>Vhite Mountain 4.50                                                                                                                                                                          | Hop Hooks                                                                                                                                                  | 20002)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Burr Mfg. Co., Steel70&10                                                                                                                                                                                                                |
| Pencils                                                                                                                                                                                                       | Powder-                                                                                                                                                    | Rail— Barn Door, Light, In. 1/4 5/4 3/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Sand and Emery Paper and Cloth—                                                                                                                                                                                                          |
| Dixon's: \$\Pigro.                                                                                                                                                                                            | See Ammunition.                                                                                                                                            | Barn Door, Light, In. 1/4 1/5 3/60 Barn Door, "None Retter" No. 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Baeder, Adamson & Co.'s: List.                                                                                                                                                                                                           |
| Carpenter's\$3.67@8.75<br>Carpenter's, Blue or Red                                                                                                                                                            | Ртезаез                                                                                                                                                    | Barn Door, "None Better" No. 1, \$ foot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Emery Cloth 50&10 a 60<br>Garnet Paper 80@30&5                                                                                                                                                                                           |
| Lead 4.00@7.50                                                                                                                                                                                                | See Fruit and Jelly Presses.                                                                                                                               | # foot4c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sand and Emery Paper 50&10@60                                                                                                                                                                                                            |
| Lead                                                                                                                                                                                                          | Primers—                                                                                                                                                   | B. D. for N. E. Hangers:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sash Balances—                                                                                                                                                                                                                           |
| Mascot, Round                                                                                                                                                                                                 | See Ammunition.                                                                                                                                            | Angular, \$\pi\$ foot, 6c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Caldwell Mfg. Co50                                                                                                                                                                                                                       |
| Percussion Caps—                                                                                                                                                                                              | Pruning Hooks and Shears—<br>Cronk's Pruning Shears83165                                                                                                   | Cronk's: \$\ \pi \ foot.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sash Chain—<br>Competition                                                                                                                                                                                                               |
| see Ammunition                                                                                                                                                                                                | Cronk's Heavy Pattern, # doz., \$2.50 net<br>Disston's Combined Pruning Hook                                                                               | O. N. T. Style, No. 18 8 c<br>Double Braced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Giant                                                                                                                                                                                                                                    |
| Picks and Mattocks—                                                                                                                                                                                           | and Saw# doz., \$18.00, 25@25&10%<br>Disston's Pruning Hook, # doz.,                                                                                       | Lane's: \$\ 100 ft. O. N. T., 1 in\$\\$2.65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Red Metal40&10                                                                                                                                                                                                                           |
| List Feb. 28, 1899.                                                                                                                                                                                           | Disston's Pruning Hook, \$\forall doz.,<br>\$12.00, 25@25&10%                                                                                              | O. N. T., 1¼ in 8.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Steel                                                                                                                                                                                                                                    |
| Railroad or Adze Eye60, 10&5@70%                                                                                                                                                                              | Henry's:<br>Pruning Shears                                                                                                                                 | Standard, 1½ in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Sash Cord—<br>Cable Laid Italian \$ 15 16@18                                                                                                                                                                                             |
| Planes and Plane Irons-                                                                                                                                                                                       | Orange                                                                                                                                                     | Sliding Door, Bronzed Wrought Iron, # foot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cable Laid Russia ₩ 15 1814@14                                                                                                                                                                                                           |
| WOOD PLANES—                                                                                                                                                                                                  | Grape                                                                                                                                                      | Sliding Door, Steel, Brass Plated,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Common India                                                                                                                                                                                                                             |
| Bailey's (Stanley R. & L. Co.) 25&10@25&10&10\$                                                                                                                                                               | E. S. Lee & Co.'s Pruning Tools40%<br>P., S. & W. Co.'s Shears60%                                                                                          | Sliding Door, Wrought Brass, 114 in.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Patent India                                                                                                                                                                                                                             |
| Bench, First Quality45@45&10%                                                                                                                                                                                 | Waters' Tree Propers                                                                                                                                       | Image: Big to the state of the state o | "Mass." White, Cotton2214@24 "Samson" Braided White, Cotton                                                                                                                                                                              |
| Bench. Second Quality50@50&10%<br>C. E. Jennings & Co50&10%                                                                                                                                                   | Wheeler, M. & C. Co.'s Combina-<br>tion doz., \$12.00, 25&10≰                                                                                              | Rakes, Etc.—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>₩ 1b 28</b> 1√2@30                                                                                                                                                                                                                    |
| #dolding40&5%                                                                                                                                                                                                 | Pulleys—                                                                                                                                                   | Cronk's:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | "Samson" Braided Drab, Cotton<br>% n 8214@85                                                                                                                                                                                             |
| IBON PLANES— Chaplin's Iron Planes50&10                                                                                                                                                                       | Awning                                                                                                                                                     | Wrought Steel Garden 60 & 20%<br>Queen City Lawn 40%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | "Samson" Braided Italian Hemp                                                                                                                                                                                                            |
| C. E. Jennings & Co., Iron50&10%<br>Sargent's50&10&10                                                                                                                                                         | Axle                                                                                                                                                       | Steel Garden Rakes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | "Samson" Braided Linen # 15,50@55<br>Silver Lake:                                                                                                                                                                                        |
| standard Tool Co50@50&5%<br>Stanley Rule & Level Co.:                                                                                                                                                         | Ceiling                                                                                                                                                    | Steel Road Rakes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A Quality, Drab 18 lb 40c, b                                                                                                                                                                                                             |
| Bailey's25&10@25&10&10%                                                                                                                                                                                       | Common Sense                                                                                                                                               | Turf Edger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A Quality, White                                                                                                                                                                                                                         |
| Miscellaneous25&10@25&10&10% PLANE IRONS—                                                                                                                                                                     | Empire Sash Pulley60%                                                                                                                                      | Peerlegs Shank 70/25/22/46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B Quality White 19 15 80c, 5<br>United States:                                                                                                                                                                                           |
| Auburn "Thistle" } 80&5@80&10&5≰                                                                                                                                                                              | Fox-all-steel;<br>Nos. 8 & 7, 21/2-inch wheel, \$\text{9} dox. 2°c                                                                                         | Peerless Socket                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | B Quality \$\mathbf{B}\$ 1814<br>C Quality\mathbf{B}\$ 1714                                                                                                                                                                              |
| andread                                                                                                                                                                                                       | No. 9, 134-inch wheel, \$\vartheta\ \text{doz.} \docsum 20c \\ \text{No. 10, 2-inch wheel, \$\vartheta\ \text{doz.} \docsum 25c \end{array}                | Rasps, Horse—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | White Cotton, Hard Braided 179                                                                                                                                                                                                           |
| Buck Bros                                                                                                                                                                                                     | Extra for plated finish, # doz20c                                                                                                                          | Disston's 70%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Sash Fasteners, Holders, &c.                                                                                                                                                                                                             |
| Sutcher's                                                                                                                                                                                                     | Extra for antique bronze bushing,                                                                                                                          | New Nicholson Horse Rasp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sash Lifts                                                                                                                                                                                                                               |
| tanley Rule & Level Co. 25&10@25&10&10%                                                                                                                                                                       | # doz                                                                                                                                                      | Razors-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Sash Lifts With Lock60&10&10                                                                                                                                                                                                             |
| L. & I. J. White                                                                                                                                                                                              | MAY FORK, MARIE, 442-MCM, W UOZ.,                                                                                                                          | ElectricList net                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sash Rollers                                                                                                                                                                                                                             |
| Pliers and Nippers—                                                                                                                                                                                           | \$5.00                                                                                                                                                     | Fox40%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Shutter Sheaves                                                                                                                                                                                                                          |
| Sutton's                                                                                                                                                                                                      | Hot House50&10@50&10&10%<br>Stowell's Anti-Friction, 6-in. Wheel,                                                                                          | J. R. Torrey Razor Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sash Locks—                                                                                                                                                                                                                              |
| arew's Pat. Wire Cutters25%                                                                                                                                                                                   | ♥ doz., \$12.00                                                                                                                                            | £                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Champion Meeting Rail                                                                                                                                                                                                                    |
| Button Pattern                                                                                                                                                                                                | Shade Rack                                                                                                                                                 | Registers and Ventilators-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Champion Side                                                                                                                                                                                                                            |
| Flat and Round Nose                                                                                                                                                                                           | Pumps—                                                                                                                                                     | HOT AIR-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Elting's Ventilating40 Fitch's:                                                                                                                                                                                                          |
| Stubb's Pat. Pliers                                                                                                                                                                                           | Cistern, Best Grades 60@60&10%                                                                                                                             | New List, Sept. 2, 1901:<br>Black Japanned60&10&5@70%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Iron                                                                                                                                                                                                                                     |
| Wire Cutter and Bender60%<br>[umason & Beckley Mfg. Co.50@50&10%                                                                                                                                              | Pitcher Spout, Best Grades .70&10@75x                                                                                                                      | White Japanned 60&10&5@70%<br>Bronzed Finishes 60&10&5@70%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Gale's Automatic, List Nov., 189760                                                                                                                                                                                                      |
| Vm. Johnson's Gas Pliers                                                                                                                                                                                      | Power Pumps, Myers'                                                                                                                                        | Electro-Plated, 60 & 10 & 5 @ 70 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Ives' Patent: Wrought Steel60                                                                                                                                                                                                            |
| mith's Side Cutting25%                                                                                                                                                                                        | No. 1, Fig. 828, 8 in. Shallow                                                                                                                             | Nickel Plated 60&10&5@70%<br>White Porcelain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Bronze M. Knob                                                                                                                                                                                                                           |
| P. S. & W. Cast Steel 50@50&5%<br>P. S. & W. Tinners' Cutting Nip-                                                                                                                                            | Well Pump                                                                                                                                                  | Solid Brass and Bronze Metal50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Cast Iron                                                                                                                                                                                                                                |
| pers30@80&10%                                                                                                                                                                                                 | Well Pump                                                                                                                                                  | Rings— See Bull and Hog Rings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Payson's Perfect                                                                                                                                                                                                                         |
| Plow Bolts-                                                                                                                                                                                                   | Pump                                                                                                                                                       | Rivets and Burrs-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Reading                                                                                                                                                                                                                                  |
| es Bolts.                                                                                                                                                                                                     | Well Pump 17.00                                                                                                                                            | Belt with Burrs 40&10@50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Sash Weights—                                                                                                                                                                                                                            |
| Plumbs and Levels—                                                                                                                                                                                            | Pump                                                                                                                                                       | Hose with Burrs40&10@50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Small lots                                                                                                                                                                                                                               |
| look's 40&10&10<br>Davis':                                                                                                                                                                                    |                                                                                                                                                            | IRON—<br>List, Nov. 1, 1894.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Sausage Stuffers or Fillers-                                                                                                                                                                                                             |
| 700 T LD +                                                                                                                                                                                                    | No. 56 Flor 881 Stin Shallow                                                                                                                               | Ordinary, in bulk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Draw Cut, No. 4each \$80.00, 20                                                                                                                                                                                                          |
| inclinometers201                                                                                                                                                                                              | 110. 10, 1 B. 001, 0 Is. Cauton                                                                                                                            | Thousand in papers70@70&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Enterprise Mfg. Co25@25&714 National Specialty Mfg. Co25                                                                                                                                                                                 |
| Iron Levels 25&10%                                                                                                                                                                                            | Well Pump                                                                                                                                                  | Conners' in hells "020 8.00"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                          |
| Iron Levels                                                                                                                                                                                                   | Pump                                                                                                                                                       | Coopers', in bulk70@70&10%<br>Block and Carriage, in papers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Saws—                                                                                                                                                                                                                                    |
| Iron Levels                                                                                                                                                                                                   | No. 70, Fig. 883, 234 in. Deep<br>Well Pump                                                                                                                | Coopers', in bulk70@70&10%<br>Block and Carriage, in papers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Saws— Atkins: Band 7 to 14 in. Wide60&10                                                                                                                                                                                                 |
| Iron Levels                                                                                                                                                                                                   | No. 70, Fig. 883, 214 in. Deep<br>Well Pump                                                                                                                | Coopers', in bulk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Saws— Atkins:  Band 7 to 14 in. Wide                                                                                                                                                                                                     |
| Iron Levels   25&10g    Jisston's   705     fachinists'   25g    Ocket Levels   70&10     Toda   7078     tanley's   40@40&10&10\$     tanley's Duplex   20@20&10&10\$     Vood's Extension Sight   25@25&105 | No. 70, Fig. 883, 2½ in. Deep Well Pump                                                                                                                    | Coopers', in bulk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Saws— Atkins: Band 7 to 14 in. Wide                                                                                                                                                                                                      |
| Iron Levels                                                                                                                                                                                                   | No. 70, Fig. 883, 2½ in. Deep Well Pump                                                                                                                    | Coopers', in bulk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Saws—         Atkins:       Band 7 to 14 in. Wide                                                                                                                                                                                        |
| Iron Levels   25&10g    Disston's   70g    Machinist'   25g    Ocket Levels   70&11 @75g    Stanley's   40@40&10&10g    Stanley's Duplex   20@20&10&10g    Vood's Extension Sight   25@25&10g    Poachers—    | No. 70, Fig. 883, 2½ in. Deep<br>Well Pump. 15.00<br>No. 72, Fig. 883, 8 in. Deep Well<br>Pump. 15.00<br>No. 78, Fig. 883, 3½ in. Deep<br>Well Pump. 16.00 | Coopers', in bulk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Saws—                                                                                                                                                                                                                                    |



| Control of the and impered Totals & Banker   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970   1970                                                                                                              |                                                               |                                                                              |                                                                       |                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|
| Section   1997   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998                                                                                                              |                                                               |                                                                              | Patent Roller60&10@60&10&5%                                           | Holmes & Edwards                                                      |
| Server   Control City   1996   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997                                                                                                              | Band 1/4 in. to 21/4 in                                       | Buck Bros                                                                    | 60&10@60&10&5%                                                        | ₩ doz. net.                                                           |
| Section   Sect                                                                                                              | Narrow Cross Cuts55%                                          | Disston s Flat Blade, Electric, Tele-                                        | ber 18, 188560 & 25                                                   | "1847"\$3.50 "Anchor"                                                 |
| Section   Sect                                                                                                              | Framed Wood Saws                                              | Electric Spiral No. 01 79 doz. \$6.00 net                                    | Reading list                                                          | "Star"                                                                |
| Band Amount   Section                                                                                                                 | Hand Saws, Nos. 12, 99, 9, 16, D100,                          | Elirich's Socket and Ratchet40&10%<br>Fray's Hol. Hdle. Sets. No. 3\$12, 50% | Sargent's list70%                                                     | Rogers & Hamilton                                                     |
| Compares   Krylanis   Promises   Description   Section                                                                                                              | Hand Saws, Nos. 7, 107, 10714, 8, 1,                          | Howard-Allard A1 @ doz., \$9.00 net                                          |                                                                       | _ = -                                                                 |
| Ballet   December                                                                                                                 | Compass, Keyhole, Pruning, Dove-                              | Jennings & Griffin 66%                                                       |                                                                       |                                                                       |
| Enter Part III ye and other Section Section 1 and Part II ye and other Section 1 and Part II ye and other Section 1 and Part II ye and other Section 1 and Part I was also as the Committee and Mill Section 1 and Part I was also as the Committee and Mill Section 1 and Part I was also as the Committee and Mill Section 1 and Part I was also as the Committee and Mill Section 1 and Part I was also as the Committee and Mill Section 1 and Part I was also as the Committee and Mill Section 1 and Mills Section 1                                                                                                            | Butcher Saws and Blades85% Haines' Needle Point40%            | \$18.50 net; No. 2 \$ doz\$12.00                                             | Shovels and Spades—                                                   |                                                                       |
| Control   Cont                                                                                                              | Butcher                                                       | No. 1 Forg. Blade50&10@50&10&5%<br>Nos. 20 and 40                            | No. 2, Polished, Square or Round                                      |                                                                       |
| Count   Coun                                                                                                              | 25@80≴                                                        | Stanley R. & L. Co.'s:                                                       | A1, B2,<br>1st Grade, 2d Grade                                        |                                                                       |
| Content Mult                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cross Cuts45&10%                                              | No. 86                                                                       | Plain Back \$10.50 \$9.60<br>Strap Back 9.90 9.00                     | Disston's Try Square and T Bevels,                                    |
| ## And States                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Richardson:<br>Circular and Mill50@50&10%                     | Tower & Lyon:                                                                | Cleveland Pattern. 10.20 9.30 C8, D4,                                 | Starrett's Micrometer Caliper Squares,                                |
| Milliage                                                                                                               | Hand Saws                                                     | Machinists'                                                                  | Plain Back \$8.70 \$8.10                                              |                                                                       |
| District awa AND PALHES  Control Register Control Registe                                                                                                            | Woodrough & McParlin Cross Cuts                               | Williamson's:                                                                | Cleveland Pattern. 8.40 7.80                                          | Winterbottom's Try and Mitre40&10%<br>Nickel-Plated. New List Jan. 5, |
| Discovery   Stage                                                                                                                 | HACK SAWS AND FRAMES-                                         | Gem, # dos                                                                   | Black, deduct 80c. doz.                                               | 1900                                                                  |
| List, January 1, 100.    Compilet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Disston's: Concave Blades25                                   |                                                                              | Brass Head60&10@60&10&10%                                             |                                                                       |
| Saw Files-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                               | List, January 1, 1900.                                                       |                                                                       | ₩ Ib                                                                  |
| Star. Stars and Blades  Saw Filter.    Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw Filter.   Saw F                                                                                                            | Griffin's:                                                    | Brass, Round Head 52/6/285% Brass, Round Head 52/6/285%                      |                                                                       | Same price as Barb Wire. See Trade                                    |
| Distortion Part   Distortion                                                                                                              | Saw Blades4%                                                  | Bronze, Round Head 7214@77145<br>Drive Screws, Diamond Point, 8714@905       |                                                                       | •                                                                     |
| Disators   De Clemp and Guide, \$30.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                               | Iron, Bright Flat Head 8714@90%<br>Iron, Bright Round and Oval Head          |                                                                       | Cronk's, No. 50                                                       |
| Saw Frames                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Disston's DS Clamp and Guide, \$80.00<br>doz                  | 85@8714%<br>Nickel Plated, Iron Flat Head75@80%                              | <del>-</del>                                                          | " No. 60                                                              |
| State   Stat                                                                                                              | Saw Frames—                                                   | MACHINE-                                                                     |                                                                       |                                                                       |
| Saw Sets—  (Cont. Set Sets.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C. E. Jennings & Co204 Richardson's Woodnet                   | Brass, Flat Head50%                                                          |                                                                       |                                                                       |
| Coach   Last   Post   Last   Coach   Last   Post   Last   Coach   Last   Post   Last   L                                                                                                              |                                                               | iron, Flat Head50%                                                           | Slaw, Vegetable, Corn Grater, Tur-                                    | BICYCLE—                                                              |
| Bemin & Cail Co. 1:  Cross Cail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Criterion Saw Sets # doz. \$6.00                              | COACH, LAG AND HAND RAIL-                                                    | Kraut Cutters, 24x7, 26x6, 80x955%<br>Kraut Cutters, 86x12, 40x1% 40% | BLACKSMITH'S-                                                         |
| Barmer New Pat.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Bemis & Call Co.'s:                                           | 75&10s                                                                       | Enterprise Mfg. Co                                                    | Gardner881/4&10%                                                      |
| ### ARENGE   Hammer   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1986   1                                                                                                            | Hammer, New Pat45%                                            | Lag Screws. List, January 80, 1895.                                          | 1 Knife                                                               | Lightning Screw Plate                                                 |
| Schort   Section   Secti                                                                                                              | Spring Hammer                                                 | BENCH, HAND, ETC                                                             | Kraut Cutters                                                         | PIPE MAKERS                                                           |
| Ginst Royal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Hart's Pat. Lever20x                                          | Bench, Wood, Beech \$\pi dox. 2.40                                           |                                                                       | Stones—                                                               |
| Dearing   Section   Sect                                                                                                              | "Giant Royal" \$\text{\$\text{\$\gamma}\$} \doz. \$\pi_{0.00} | Chair                                                                        |                                                                       |                                                                       |
| Roller Bearing.   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50                                                                                                              | Leach s                                                       | Bearing                                                                      |                                                                       |                                                                       |
| Richardson-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | \$16.0040&20%                                                 | Roller Bearing                                                               |                                                                       |                                                                       |
| Servoil Salumar   Servoil Saws   Servoil Saws   Servoil Saw   Barres   No. 1, 55   No. 5, 510   No. 7, 510   Servoil Saws   Barres   No. 1, 55   No. 6, 510   No. 7, 510   Servoil Saw   Blades   375   Servoil Saw   Servoil Saw   Blades   375   Ser                                                                                                              | 5, \$31.0040&20x                                              | Jack Screws, Sargent's                                                       |                                                                       |                                                                       |
| Stillmans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Seymour Smith & Son, Hammer                                   |                                                                              | Anchor (T. & S. Mfg. Co.)                                             | Myers' Noiseless                                                      |
| Seales                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Stillmans                                                     | \$15                                                                         | Fitch's: Bolt                                                         |                                                                       |
| Chattling   Server                                                                                                               | Scales—                                                       | Cricket                                                                      | Champion40%                                                           |                                                                       |
| Sortes   Trip   Scales   Soythes   Grass   \$40c.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                               | Lester, complete, \$10.0015&10%                                              | Empire                                                                |                                                                       |
| Counter, No. 171 # dos. \$17.00@\$18.00   Tas. No. 181.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Grocers' Trip Scales50%                                       | • •                                                                          | Security40%                                                           |                                                                       |
| Tes, No. 161. \$\delta color \footnote{Screen}\$ 2.00 \$\delta color \foo | Hatch:                                                        | Polished Blade 8.00@ 8.15                                                    | Sargent's:                                                            |                                                                       |
| Seriped                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tea, No. 161 # doz. 5.75@ 6.00                                | Weed and Bush 7.25@ 7.50                                                     | Covered Spring50@55%                                                  |                                                                       |
| Shears                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Striped 2.15@ 2.25                                            |                                                                              | Breast Strap Buckle Snaps                                             |                                                                       |
| Scrapers, &c.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Chatillon's No. 1                                             |                                                                              | Double for Bits or Trace Carrier \ 45%                                | American Cut Tacks90&256                                              |
| Co.) \$6.00.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                               | Ætna, Steel Japanned80&20%                                                   | Jockey Snaps                                                          | Carpet Tacks:                                                         |
| Box   Handle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Adjustable Box Seraper (S. R. & L.                            | Barnard Lamp Trimmers net                                                    | Rope Snaps40%                                                         | Swedes Iron Tacks.                                                    |
| Solution                                                                                                               | Box, 1 Handle                                                 | N. P. Bent Trimmers 66%                                                      |                                                                       | Bill Posters' and Railroad Tacks:                                     |
| Ship, R. I. Tool Co.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Foot                                                          | Japanned Bent                                                                |                                                                       | Common and Patent Brads70&10%                                         |
| Screens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Ship, R. I. Tool Co10%                                        | 8t. Trimmers, etc60&10@60&10&10%                                             |                                                                       | Gimp Tacks:                                                           |
| Serneurs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                               | Tinners' Snips40%                                                            | Bailey's (Stanley R. & L. Co.) 50&10%                                 | Hungarian Nails, Steel80&15#<br>Lace Tacks:                           |
| Phillips:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                               | Seymour's Standard List: Japanned                                            | Millers Falls                                                         | 8. 8                                                                  |
| Doors   \$10.00   \$4   In. Style G, Common Screen   Doors   6.50   Star Brand:   Star Brand:   Star Brand:   Stock Scientific Scien                                                                                                            | Phillins: # dox                                               | Nickeled 60%<br>Standard Cutlery Co.:                                        | Wm. Johnson's:<br>Wood. Best                                          | S. S 90&30¢                                                           |
| Doors   Sign   Style K   Fancy Screen   Doors   Soo   Sickel Shears   Soo   Shears                                                                                                              | Doors \$10.00                                                 | Nickeled                                                                     | Wood, 2d quality                                                      | Steel, Black                                                          |
| DOOFS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 76-in., Style K, Fancy Screen                                 | Nickel Scissors                                                              | Boardman's:                                                           | Upholsterers's Tacks:<br>S. S                                         |
| ### Shears, Hedge—   Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, Hedge—    Shears, H                                                                                                            | %-in., Style K4, Fancy Screen                                 | Japan Shears                                                                 | Britannia Spoons, Catalogue "C"                                       |                                                                       |
| Porter Screen Mfg. Co.   60@60&5%   Phillips:   Wm. Wilkinson & Sons.   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%   50%                                                                                                               | Doors 8.50                                                    | Pruners                                                                      |                                                                       | Double Point, in bulk                                                 |
| Boransa Screens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Porter Screen Mfg. Co60@60&5%                                 |                                                                              | L. Boardman & Son Catalogue "C"                                       | Matting                                                               |
| Flyer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Bonansa Screens 60@60&5%<br>Express                           | Sheaves-                                                                     | " 1847 "                                                              | Shade, in bulk                                                        |
| Northwest                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Flyer                                                         | Corbin's list                                                                | "Eagle"50&10%<br>"Star"50&10%                                         | Columbia, No. 1, \$2 doz., net\$1.00                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Northwest                                                     | Hatfield's Pattern70&10@80%                                                  | Rogers, Smith & Co50&10%                                              | Columbia, No. 2, \$\ doz., net 1.00                                   |

| Tapes, Measuring— American Asses' Skin40&10@50%                                                                                                                                                                                                                                                                                                                                                               | Shaw's:<br>Copper Finished80&10%                                                                                                                                                                                                                                                                                                                         | Wads—                                                                                                                                                                                                                                                                                                                                                                                                            | Wire Clothes Lines—                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Leather Case                                                                                                                                                                                                                                                                                                                                                                                                  | Lever                                                                                                                                                                                                                                                                                                                                                    | See Ammunition.                                                                                                                                                                                                                                                                                                                                                                                                  | See Lines.                                                                                                                             |
| Steel                                                                                                                                                                                                                                                                                                                                                                                                         | Traps—                                                                                                                                                                                                                                                                                                                                                   | Wagon Jacks—                                                                                                                                                                                                                                                                                                                                                                                                     | Wire Cloth, Netting, &c                                                                                                                |
| Kenffel & Esser Co., New List, 1898:<br>Steel and Metallic                                                                                                                                                                                                                                                                                                                                                    | Pallon 20 des 21 95 20 cm 211 00                                                                                                                                                                                                                                                                                                                         | Covert Mfg. Co.'s, Steel                                                                                                                                                                                                                                                                                                                                                                                         | Galvanized Wire Netting 80&10@80&20%                                                                                                   |
| Lufkin's Steel and Metallic                                                                                                                                                                                                                                                                                                                                                                                   | Balloon & doz. \$1.25, & gro. \$11.00<br>Globe & doz. 1.25, & gro. 11.00<br>Harper doz. 1.40, gro. 12.50                                                                                                                                                                                                                                                 | Washer'Cutters—                                                                                                                                                                                                                                                                                                                                                                                                  | Painted Screen Cloth, good quality,<br>\$\pi\$ 100 sq. ft. \$1.00\to 1.10                                                              |
| Tap Borers—                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                  | - · ·                                                                                                                                  |
| See Borers, Tap.                                                                                                                                                                                                                                                                                                                                                                                              | Star, Blake's Pattern60&10                                                                                                                                                                                                                                                                                                                               | Otis A. Smith's                                                                                                                                                                                                                                                                                                                                                                                                  | Wire Rope—                                                                                                                             |
| Taps—                                                                                                                                                                                                                                                                                                                                                                                                         | Enterprise Mole15%                                                                                                                                                                                                                                                                                                                                       | Well Wheels— Japanned, 8 to 14 inches70%                                                                                                                                                                                                                                                                                                                                                                         | New List July 1, 1899.  Cast Steel                                                                                                     |
| American Screw Co.: Machine Screw                                                                                                                                                                                                                                                                                                                                                                             | H. & N                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                  | Iron                                                                                                                                   |
| Holroyd & Co.'s:                                                                                                                                                                                                                                                                                                                                                                                              | Victor75%                                                                                                                                                                                                                                                                                                                                                | Weed Extractors— "Pastime"                                                                                                                                                                                                                                                                                                                                                                                       | Iron, Galvanized25&10%                                                                                                                 |
| Blacksmiths                                                                                                                                                                                                                                                                                                                                                                                                   | MOUSE AND RAT—<br>Hotchkies:                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  | Wire Bope Clips-                                                                                                                       |
| Machine Screw 70&10@75%<br>Machinests' Hand 60@60&10&10%                                                                                                                                                                                                                                                                                                                                                      | Metallic Mouse 50%                                                                                                                                                                                                                                                                                                                                       | Window Cleaners— Barnes Mfg. Co                                                                                                                                                                                                                                                                                                                                                                                  | Crosby 25%                                                                                                                             |
| Pipe, 1/8 to 11/4                                                                                                                                                                                                                                                                                                                                                                                             | Improved Rat                                                                                                                                                                                                                                                                                                                                             | Clayton's                                                                                                                                                                                                                                                                                                                                                                                                        | Wire Stretchers-                                                                                                                       |
| Thumb Latches—                                                                                                                                                                                                                                                                                                                                                                                                | Mouse, Round Wire, & doz\$1.00, 10%<br>Mouse, Wood, Choker, & doz. holes,                                                                                                                                                                                                                                                                                | Window Stop Adjusters-                                                                                                                                                                                                                                                                                                                                                                                           | W. C. Heller's Grip # doz. \$1.50                                                                                                      |
| See Handles.                                                                                                                                                                                                                                                                                                                                                                                                  | 9@10c                                                                                                                                                                                                                                                                                                                                                    | Ives' New List                                                                                                                                                                                                                                                                                                                                                                                                   | Wrenches-                                                                                                                              |
| Tlnware-                                                                                                                                                                                                                                                                                                                                                                                                      | Marty French Rat and Mouse Traps (Genuine):                                                                                                                                                                                                                                                                                                              | Taplin's "Perfection" 50%                                                                                                                                                                                                                                                                                                                                                                                        | Agricultural                                                                                                                           |
| Stamped, Japanned and Pieced,                                                                                                                                                                                                                                                                                                                                                                                 | No. 1, Rat, each \$1.18, \$2 doz \$12.00                                                                                                                                                                                                                                                                                                                 | Wire Gauges-                                                                                                                                                                                                                                                                                                                                                                                                     | Alken's Pocket (Bright)\$2.00@\$8.30<br>Alligator70%                                                                                   |
| Net Prices.                                                                                                                                                                                                                                                                                                                                                                                                   | No. 8, Rat, % doz., \$6.00; case of 50 5.25                                                                                                                                                                                                                                                                                                              | See Gauges.                                                                                                                                                                                                                                                                                                                                                                                                      | Baxter's60&10%                                                                                                                         |
| Tire Bolts—                                                                                                                                                                                                                                                                                                                                                                                                   | No. 814, Rat, \$ doz., \$4.75; case of 78                                                                                                                                                                                                                                                                                                                | Wire and Wire Goods-                                                                                                                                                                                                                                                                                                                                                                                             | Bemis & Call's:                                                                                                                        |
| See Bolts.                                                                                                                                                                                                                                                                                                                                                                                                    | No. 4, Mouse, \$6 doz., \$8.50; case                                                                                                                                                                                                                                                                                                                     | Bright Wire Goods New List 98 6 100                                                                                                                                                                                                                                                                                                                                                                              | Briggs Pattern                                                                                                                         |
| Tobacco Cutters—                                                                                                                                                                                                                                                                                                                                                                                              | Of 72 2.75                                                                                                                                                                                                                                                                                                                                               | Bright Wire Goods, New List 85 & 10%<br>Cast Steel Wire                                                                                                                                                                                                                                                                                                                                                          | No. 2 Cylinder                                                                                                                         |
| National Specialty Co40%<br>Enterprise Mfg. Co25@80%                                                                                                                                                                                                                                                                                                                                                          | No. 5, Mouse, \$ doz., \$2.75;<br>case of 150 2.25                                                                                                                                                                                                                                                                                                       | Copper Wire                                                                                                                                                                                                                                                                                                                                                                                                      | Patent Combination Black40&5%<br>Patent Combination Bright40%                                                                          |
| Toilet Clippers—                                                                                                                                                                                                                                                                                                                                                                                              | Schnyler Ret Killer, No. 1, 29 oro                                                                                                                                                                                                                                                                                                                       | Brass and Copper on Spools60%                                                                                                                                                                                                                                                                                                                                                                                    | Bicycle:                                                                                                                               |
| See Clippers.                                                                                                                                                                                                                                                                                                                                                                                                 | Mouse, No. 8                                                                                                                                                                                                                                                                                                                                             | Spooled Wire, ass'd for Retailing70%<br>Market Wire, Bright and Annealed:                                                                                                                                                                                                                                                                                                                                        | Club40%                                                                                                                                |
| Trammel Points-                                                                                                                                                                                                                                                                                                                                                                                               | \$15.00; No. 2, \$\psi \text{gro.}  \text{net} \\$15.00  \text{Mouse, No. 3}  \text{net} \\$9.00  \text{Smith & Egge Mfg. Co.:} \$\psi \text{dos.}  \text{dos.}  \text{Superior Rat Trap}  \\$15.00                                                                                                                                                      | Nos. 6 to 9                                                                                                                                                                                                                                                                                                                                                                                                      | Superior40%                                                                                                                            |
| ~                                                                                                                                                                                                                                                                                                                                                                                                             | Yankee Mouse Trap 5.50                                                                                                                                                                                                                                                                                                                                   | Nos. 10 to 18                                                                                                                                                                                                                                                                                                                                                                                                    | Featherweight                                                                                                                          |
| Backus and Union                                                                                                                                                                                                                                                                                                                                                                                              | Yankee Rat Trap 11.00                                                                                                                                                                                                                                                                                                                                    | Nos. 27 to 8675&10&2⅓≴                                                                                                                                                                                                                                                                                                                                                                                           | Boardman's                                                                                                                             |
| Cook's                                                                                                                                                                                                                                                                                                                                                                                                        | Trowels-                                                                                                                                                                                                                                                                                                                                                 | Coppered and Galvanized:<br>Nos. 6 to 9                                                                                                                                                                                                                                                                                                                                                                          | Coes':                                                                                                                                 |
| Stanley's                                                                                                                                                                                                                                                                                                                                                                                                     | Brade's Brick                                                                                                                                                                                                                                                                                                                                            | Nos. 10 to 18                                                                                                                                                                                                                                                                                                                                                                                                    | Genuine                                                                                                                                |
| Tower & Lyon                                                                                                                                                                                                                                                                                                                                                                                                  | Brick and Pointing 80%                                                                                                                                                                                                                                                                                                                                   | Nos. 19 to 26                                                                                                                                                                                                                                                                                                                                                                                                    | Coes' Pattern, Wrought Bar60&5@                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                               | Plastering                                                                                                                                                                                                                                                                                                                                               | Tinned:                                                                                                                                                                                                                                                                                                                                                                                                          | 60 & 10 g                                                                                                                              |
| Tracks, &c.—                                                                                                                                                                                                                                                                                                                                                                                                  | C. E. Jennings & Co.:                                                                                                                                                                                                                                                                                                                                    | Nos. 6 to 14                                                                                                                                                                                                                                                                                                                                                                                                     | Donohue's Engineer                                                                                                                     |
| F. E. Myers & Bro.:<br>Comb. Car, Double Steel T\$8.50                                                                                                                                                                                                                                                                                                                                                        | Brick                                                                                                                                                                                                                                                                                                                                                    | Nos. 19 to 26                                                                                                                                                                                                                                                                                                                                                                                                    | Gem                                                                                                                                    |
| Comb. Car, Wood Track 8.25<br>Common 6 in. Wood Sheave Pulley,                                                                                                                                                                                                                                                                                                                                                | Pointing                                                                                                                                                                                                                                                                                                                                                 | Nos. 27 to 86                                                                                                                                                                                                                                                                                                                                                                                                    | Stillson Pipe                                                                                                                          |
| Fig. 488                                                                                                                                                                                                                                                                                                                                                                                                      | W. & McP. Plastering                                                                                                                                                                                                                                                                                                                                     | 85(4)85&10%                                                                                                                                                                                                                                                                                                                                                                                                      | Acme                                                                                                                                   |
| D. H. Fork Steel Regulareach, .85<br>Double Grapple Forkeach, 8.50                                                                                                                                                                                                                                                                                                                                            | " Rose " Brick, Plastering and Mould-                                                                                                                                                                                                                                                                                                                    | Steel Music Wire, Nos. 12 to 80, 1m-<br>ported                                                                                                                                                                                                                                                                                                                                                                   | Hercules                                                                                                                               |
| Double Rail Steel Track, complete                                                                                                                                                                                                                                                                                                                                                                             | ers                                                                                                                                                                                                                                                                                                                                                      | Stub's Steel Wire\$6.00 to £ 831/65                                                                                                                                                                                                                                                                                                                                                                              | J. H. Williams & Co25%                                                                                                                 |
| with clamps                                                                                                                                                                                                                                                                                                                                                                                                   | Vegetable Slicers-                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                        |
| Fig. 485                                                                                                                                                                                                                                                                                                                                                                                                      | Enterprise Mfg. Co25%                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                        |
| Puller Prior 498 39 dog 1 00                                                                                                                                                                                                                                                                                                                                                                                  | Vises-                                                                                                                                                                                                                                                                                                                                                   | PAINTS, OILS                                                                                                                                                                                                                                                                                                                                                                                                     | AND COLORS                                                                                                                             |
| Floor Hooks 34 in                                                                                                                                                                                                                                                                                                                                                                                             | Solid Box                                                                                                                                                                                                                                                                                                                                                | PAINTS, OILS                                                                                                                                                                                                                                                                                                                                                                                                     | AND COLORS.                                                                                                                            |
| 486 % doz. 9.25                                                                                                                                                                                                                                                                                                                                                                                               | Fisher-Norris                                                                                                                                                                                                                                                                                                                                            | o.,                                                                                                                                                                                                                                                                                                                                                                                                              | Spirits Turpentine—                                                                                                                    |
| Hanging Hooks for Double Steel Track                                                                                                                                                                                                                                                                                                                                                                          | Armstrong's: Combination50%                                                                                                                                                                                                                                                                                                                              | Oils—<br>Linseed, City, Raw, in barrels, # gal. 68c                                                                                                                                                                                                                                                                                                                                                              | In regular bbls                                                                                                                        |
| Hanging Hooks for Single Steel                                                                                                                                                                                                                                                                                                                                                                                | Plain and Hinge60%                                                                                                                                                                                                                                                                                                                                       | Linseed, City, Boiled, in barrels,                                                                                                                                                                                                                                                                                                                                                                               | In machine bbls8814@89 c                                                                                                               |
| Track % doz65 Hanging Hooks for Wood Track.                                                                                                                                                                                                                                                                                                                                                                   | Athol, Oval Slide                                                                                                                                                                                                                                                                                                                                        | ₩ gal. 65c                                                                                                                                                                                                                                                                                                                                                                                                       | Dry Colors—                                                                                                                            |
| 10 in                                                                                                                                                                                                                                                                                                                                                                                                         | Fisher & Norris Double Screw15&10%                                                                                                                                                                                                                                                                                                                       | Out of Town on Spot % gal. 58c                                                                                                                                                                                                                                                                                                                                                                                   | - 48 lb                                                                                                                                |
| Hanging Hooks for Wood Track,                                                                                                                                                                                                                                                                                                                                                                                 | Holland's                                                                                                                                                                                                                                                                                                                                                | Calcutta, Raw, in barrels # gal. 85c                                                                                                                                                                                                                                                                                                                                                                             | Blue, Chinese                                                                                                                          |
| 14 in                                                                                                                                                                                                                                                                                                                                                                                                         | Little Giant Bench25&10%                                                                                                                                                                                                                                                                                                                                 | Lard, Prime City 9 gal. 80@81c                                                                                                                                                                                                                                                                                                                                                                                   | Blue, Prussian                                                                                                                         |
| Fig. 676                                                                                                                                                                                                                                                                                                                                                                                                      | Lowell Hand881/65<br>Massey:                                                                                                                                                                                                                                                                                                                             | Extra, No. 1                                                                                                                                                                                                                                                                                                                                                                                                     | Sienna, Italian, burnt &                                                                                                               |
| Nellis Forkeach, 1.60                                                                                                                                                                                                                                                                                                                                                                                         | Perfect                                                                                                                                                                                                                                                                                                                                                  | 110. 1                                                                                                                                                                                                                                                                                                                                                                                                           | powdered 41/2@10 C                                                                                                                     |
| New Myers Iron Rod Car 8.25<br>Reed Wood Frame Pulley with                                                                                                                                                                                                                                                                                                                                                    | Clincher                                                                                                                                                                                                                                                                                                                                                 | Paints and Colors—                                                                                                                                                                                                                                                                                                                                                                                               | Sienna, Italian, raw &                                                                                                                 |
| Hook, Fig, 484                                                                                                                                                                                                                                                                                                                                                                                                | Planer 15@204                                                                                                                                                                                                                                                                                                                                            | Barytes, Foreign Floated, * ton,                                                                                                                                                                                                                                                                                                                                                                                 | powdered 8 @ 7 c                                                                                                                       |
| Rev. Car., Wood Track 8.25                                                                                                                                                                                                                                                                                                                                                                                    | Comb. Pipe40% Millers Falls:                                                                                                                                                                                                                                                                                                                             | \$20.00@\$91.00                                                                                                                                                                                                                                                                                                                                                                                                  | Umber, Turkey, burnt 21/2 81/4                                                                                                         |
| Rope Hitch ₩ doz. 1.75                                                                                                                                                                                                                                                                                                                                                                                        | Mechanica'net@10#                                                                                                                                                                                                                                                                                                                                        | Barytes, American Floated, \$\ \text{ton,}                                                                                                                                                                                                                                                                                                                                                                       | Umber, Turkey, raw 21/4@ 81/4C<br>Green, Chrome, Ordinary 5 @ 7 c                                                                      |
| O!!- D-!! O O!!- O!! M O FO                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                        |
| Single Rail Car, Single Steel T 8.50                                                                                                                                                                                                                                                                                                                                                                          | Oval Slide50&10%                                                                                                                                                                                                                                                                                                                                         | \$19.00@\$20.00<br>Resutes Cande 29 ton 9.00@ 10.00                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                        |
| Single Rail Car, Single Steel T 8.50 Single Rail Steel Track with clamps                                                                                                                                                                                                                                                                                                                                      | Oval Slide                                                                                                                                                                                                                                                                                                                                               | Barytes, Crude \$\( \text{ton} \) 9.00@ 10.00                                                                                                                                                                                                                                                                                                                                                                    | Green, Paris, in bulk15 @16 C                                                                                                          |
| Single Rail Car, Single Steel T 8.50 Single Rail Steel Track with clamps                                                                                                                                                                                                                                                                                                                                      | Oval Blide                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                  | Green, Paris, in bulk15 @16 c<br>Indian Red, American 214@ 8 c                                                                         |
| Single Rail Car, Single Steel T 8.50 Single Rail Steel Track with clamps                                                                                                                                                                                                                                                                                                                                      | Oval Slide       50 & 10%         Ball Clamp       45%         Gravity       net         Hand       15%         Moore's       20%         Phenix       531/5                                                                                                                                                                                             | Barytes, Crude \$\( \text{ton } 9.00 @ 10.00 \) White Lead, American, Dry, in bbls. \$\( \text{\$\text{bh.} 6.661/4c} \) White Lead, American, in Oil, in lots                                                                                                                                                                                                                                                   | Green, Paris, in bulk                                                                                                                  |
| Single Rail Car, Single Steel T 8.50 Single Rail Steel Track with clamps                                                                                                                                                                                                                                                                                                                                      | Oval Slide       50 & 10 %         Ball Clamp       45 %         Gravity       net         Hand       15 %         Moore's       20 %         Phenix       53 ½ %         Prentiss       20 @ 20 %         Sargent's       40 %                                                                                                                          | Barytes, Crude \$\varphi\$ ton 9.00@ 10.00 White Lead, American, Dry, in bbls. \$\varphi\$ b. 6.664c White Lead, American, in Oil, in lots of less than 500 bs \$\varphi\$ b. net 7c                                                                                                                                                                                                                             | Green, Paris, in bulk15 @16 c Indian Red, American 214@ 8 c Indian Red, English 414@ 814c Colors in Oil—                               |
| Single Rail Car, Single Steel T                                                                                                                                                                                                                                                                                                                                                                               | Oval Slide       50 & 10%         Ball Clamp       45%         Gravity       net         Hand       15%         Moore's       20%         Phenix       53½         Prontiss       20@25%         Sargent's       40%         Simpson's Adjustable       40%                                                                                              | Barytes, Crude \$\varphi\$ ton 9.00@ 10.00 White Lead, American, Dry, in bbls. \$\varphi\$ b. 6@614c White Lead, American, in Oil, in lots of less than 500 bs \$\varphi\$ b. net 7c In lots of 500 bs. and over \$\varphi\$ b. 614c                                                                                                                                                                             | Green, Paris, in bulk15 @16 c Indian Red, American 214@ 8 c Indian Red, English 414@ 814c Colors in Oil— Black Lampblack, best18 @15 c |
| Single Rail Car, Single Steel T 8.50 Single Rail Steel Track with clamps                                                                                                                                                                                                                                                                                                                                      | Oval Slide                                                                                                                                                                                                                                                                                                                                               | Barytes, Crude \$\psi\$ ton \$9.00\alpha\$ 10.00 White Lead, American, Dry, in bbls. \$\pi\$ h. 6\alpha 4\c White Lead, American, in Oil, in lots of less than 500 hs\$\pi\$ h. net 7c In lots of 500 hs. and over\$\pi\$ h. 6\fo White Lead, English, in Oil.\$\pi\$ h. 9\alpha 9\fo                                                                                                                            | Green, Paris, in bulk                                                                                                                  |
| Single Rail Car, Single Steel T 8.50 Single Rail Steel Track with clamps                                                                                                                                                                                                                                                                                                                                      | Oval Slide       50 & 10%         Ball Clamp       45%         Gravity       net         Hand       15%         Moore's       20%         Phenix       531%         Prentiss       20@25%         Sargent's       40%         Simpson's Adjustable       40%         Stephens       20@25%         Trenton       40% 40%         Wright's Pipe       40% | Barytes, Crude \$\psi\$ ton \$9.00\@ 10.00  White Lead, American, Dry, in bbls.  \$\pi\$ b. 6\@64\c  White Lead, American, in Oil, in lots of less than 500 bs \$\pi\$ b. net 7c  In lots of 500 bs. and over \$\pi\$ b. \$\frac{4}{5}\c  White Lead, English, in Oil. \$\pi\$ b. 9\pi\$ c  Litharge, Kegs \$\pi\$ b. 6\frac{4}{5}\eal{6}\cap{7}c                                                                | Green, Paris, in bulk                                                                                                                  |
| Single Rail Car, Single Steel T 8.50 Single Rail Steel Track with clamps                                                                                                                                                                                                                                                                                                                                      | Oval Slide 50 & 10%  Ball Clamp 45%  Gravity net  Hand 15%  Moore's 20%  Phenix 53 / 6%  Prentiss 20@25%  Sargent's 40%  Slimpeon's Adjustable 40%  Stephens 20@25%  Trenton 40@40 & 5%  Wright's Pipe 40%  Saw Filers—                                                                                                                                  | Barytes, Crude \$\psi\$ ton \$9.00\alpha\$ 10.00 White Lead, American, Dry, in bbls. \$\psi\$ b. 6664c White Lead, American, in Oil, in lots of less than 500 bs \$\psi\$ b. net 7c In lots of 500 bs. and over \$\psi\$ b. 64c White Lead, English, in Oil. \$\psi\$ b. 9694c Litharge, Kegs \$\psi\$ b. 64667c Zinc, American, Dry \$\psi\$ b. 4466c                                                           | Green, Paris, in bulk                                                                                                                  |
| Single Rail Car, Single Steel T 8.50 Single Rail Steel Track with clamps                                                                                                                                                                                                                                                                                                                                      | Oval Slide 50 & 10% Ball Clamp 45% Gravity net Hand 15% Moore's 20% Phenix 53 / 45% Prentiss 20@ 25% Sargent's 40% Simpson's Adjustable 40% Stephens 20@ 25% Trenton 40@ 40 & 5% Wright's Pipe 40% BAW FILERS— Bonney's No. 2, \$15.00 40 & 10@ 50% Clucinnati 40%                                                                                       | Barytes, Crude \$\psi\$ ton \$9.00\@ 10.00\$ White Lead, American, Dry, in bbls. \$\psi\$ h. 6\psi64\c\c White Lead, American, in Oil, in lots of less than 500 hs \$\psi\$ h. net 7c In lots of 500 hs. and over \$\psi\$ h. 6\forall c White Lead, English, in Oil. \$\psi\$ h. 9\emptysec 2\text{itharge, Kegs} \$\psi\$ h. 6\forall c Zinc, American, Dry \$\psi\$ h. 4\forall c Putty—                      | Green, Paris, in bulk                                                                                                                  |
| Single Rail Car, Single Steel T. 8.50 Single Rail Steel Track with clamps. \$1.09 prout's Shear Fork, each \$1.60 steel Frame Pulley with Iron Sheave, Fig. 565, \$2 doz 1.85 sure Grip Sling Car, Steel or Wood Track 6.00 Walker Fork, each 1.25 Wrought Rafter Brackets, \$2 doz 40  Transom Lifters—  Ajax 50&10&50&10&55 Srouze Metal, with Safety Spring. 50&70&10 Trescent 70@70&10  Trescent 70@70&10 | Oval Slide 50 & 10% Ball Clamp 45% Gravity net Hand 15% Moore's 20% Phenix 53 / 45% Prentiss 20@ 25% Sargent's 40% Simpson's Adjustable 40% Stephens 20@ 25% Trenton 40@ 40 & 5% Wright's Pipe 40% BAW FILERS— Bonney's No. 2, \$15.00 40 & 10@ 50% Clucinnati 40%                                                                                       | Barytes, Crude \$\psi\$ ton \$9.00\alpha\$ 10.00 White Lead, American, Dry, in bbls. \$\psi\$ b. 6\alpha 6\alpha 6\alpha\$ colors of less than 500 hs \$\psi\$ h. net 7c In lots of 500 hs. and over \$\psi\$ h. 6\alpha\$ cWhite Lead, English, in Oil. \$\psi\$ h. 9\alpha 9\alpha\$ cLitharge, Kegs \$\psi\$ h. 6\alpha\$ (6\alpha\$ cZinc, American, Dry \$\psi\$ h. 4\alpha\$ (6\alpha\$ cE Putty—  In bulk | Green, Paris, in bulk                                                                                                                  |
| Single Rail Car, Single Steel T. 8.50 Single Rail Steel Track with clamps. \$\pi\$ ft09 prout's Shear Fork, each                                                                                                                                                                                                                                                                                              | Oval Slide                                                                                                                                                                                                                                                                                                                                               | Barytes, Crude                                                                                                                                                                                                                                                                                                                                                                                                   | Green, Paris, in bulk                                                                                                                  |
| Single Rail Car, Single Steel T 8.50 Single Rail Steel Track with clamps                                                                                                                                                                                                                                                                                                                                      | Oval Slide . 50 & 10% Ball Clamp . 45% Gravity . net Hand . 15% Moore's . 20% Phenix . 53½6% Sargent's . 40% Simpson's Adjustable . 40% Stephens . 90@25% Trenton . 40% 40% SAW FILERS— Bonney's No. 2, \$15.00 . 40 & 10@50% Cincinnati . 40% Stearns Com. No. 0, 1, 2 and 3, 50@50&50%                                                                 | Barytes, Crude                                                                                                                                                                                                                                                                                                                                                                                                   | Green, Paris, in bulk                                                                                                                  |



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Atlas Mig. Co., New York.

Sargent & Co., New York.

Brands, Burning. Schwerdtle Stamp Co., Bridgeport, Conn.

Brass and Composition Castings.
Magnolia Metal Co., New York.

Bridge Rods.
Columbus Bolt Works, Columbus, O.

Builders' Hardware. Champion Safety Lock Co., Cleve-land, O. land, O. . & E. T. Fitch Co., New Haven, w

John H. Graham & Co., New York. Hobart B. Ives & Co., New Haven, Sargent & Co., New York.

Bungs.
John Sommer's Son, Newark, N. J. Butcher Kulves, Tools and Steels.
John Chatillon & Sons, New York.
Goodell Co., Antrim, N. H.
Silver Mfg. Co., Salem, Ohio.
Butchers' Scales.
John Chatillon & Sons, New York.
Osgood Scale Co., Binghamton, N. Y.

Butts, Door.

Bommer Bros., Brooklyn, N. Y.

McKinney Mfg. Co., Allegheny, Pa.

Sargent & Co., New York.

Butta, Spring.

Bommer Bros., Brooklyn, N. Y.

Niles Mfg. Co., Chicago.

Sargent & Co., New York.

Cabinets, Bolt.
J. D. Warren Mfg. Co., Chicago, Ill.

Cabinets. Hardware.
J. D. Warren Mfg. Co., Chicago, Ill.

Calipers.
Alfred Field & Co., New York.
C. E. Jennings & Co., New York.
J. Stevens Arms and Tool Co., Chicopee Falls, Mass.

Can Openers.

John H. Graham & Co., New York.

Sargent & Co., New York.

Carpet Sweepers.
Bissell Carpet Sweeper Co., Grand
Rapids. Mich.

ar Seniers. Charles Morrill, New York.

Carpenters' Pencils.

Joseph Dixon Crucible Co., Jersey
City, N. J.

Carriage Makers' Tools. Silver Mfg. Co., Salem, Ohio.

Carriers, Hay.
F. E. Myers & Bro., Ashland, Ohio.

Casement Fast.
Columbus Sash Ribbon Co., Columbus, O.

Cash Registers. Standard Cash Register Co., Wabash, Ind.

Cash Register Paper. Standard Cash Register Co., Wabash,

Casters, Bed and Plate. Sargent & Co., New York. Standard Caster & Wheel Co., New York, N. Y.

Catalogue Case.
J. D. Warren Mfg. Co., Chicago, Ill.

Caulking Mullets. N. Y. Maliet & Handle Works, New York, N. Y.

Coment, Rubber and Leather. Tower & Lyon, New York.

Chains.
Covert Mfg. Co., West Troy, N. Y.
Fuller Bros., New York.

Chains, Cow. Covert Mfg. Co., West Troy, N. Y.

Chains, Sash.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Chain Blocks.
Burr Mfg. Co., Cleveland, O.

Chalk Lines.
Samson Cordage Works, Boston, Mass.

Checks, Brass. Schwerdtle Stamp Co., Bridgeport, Conn.

Cherry Stoners.
Enterprise Mfg. Co. of Pa., Philadelphia.
Goodell & Co., Antrim, N. H.

Chimney Tops.
Powers Bros., Streator, 111. Chisels, Firmer.
Alfred Field & Co., New York.
C. E. Jennings & Co., New York.
Sargent & Co., New York.
Tower & Lyon, New York.

Chucks. North Bros. Mfg. Co., Phila., Pa. Smith & Egge Mfg. Co., Bridgeport, Conn.

Cleavers.
John Chatillon & Sons, New York.
Goodell Company, Antrim, N. H.
Clippers, Finger Nail.
H. C. Cook Co., Ansonia, Conn.

Clippers, Horse and Barbers'. American Shearer Mfg. Co., Nashua, N. H. Coates Clipper Mfg. Co., Worcester,

N. H. Coates Clipper Mfg. Co., Worceste Mass. Alfred Field & Co., New York. John H. Graham & Co., New York.

Clippers, Nail. H. C. Cook Co., Ansonia, Conn.

Closet Pulls.
Smith & Egge Mfg. Co., Bridgeport,
Conn.

Clothes Bars.
A. J. Phillips Co., Fenton, Mich.
Udell Works, Indianapolis, Ind.

Clothes Lines. Samson Cordage Works. Boston, Mass.

Coal Screens.
Gilbert & Bennett Mfg. Co., New York, Chicago.

Coaster Brakes.
Eclipse Mfg. Co., Elmirs, N. Y.
New Departure Bell Co., Bristol,
Conn.

Conn.

Coat. Hat and Ceiling Hooks.

Atlas Mfg. Co., New Haven, Conn.

Brass Goods Mfg. Co., Brooklyn, N.Y.

John H. Graham & Co., New York.

Sargent & Co., New York.

Coke Forks. Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madison. Ia.

Conductor Pipe. American Steel Roofing Co., Middle-town. Ohio. Bruce & Cook, New York.

Contractors' Plows.
Syracuse Chilled Plow Co., Syracuse,
N. Y.

Copper, Sheet. Bruce & Cook, New York. Cordage and Twines. Samson Cordage Works, Boston.

Samon Cordage Works, Boston.

Cork Pullers.

Enterprise Mfg. Co. of Fa., Philadelphia.

Erle Specialty Co., Erle, Pa.

Corkscrewa.

Alfred Field & Co., New York.

Erle Specialty Co., Erle. Pa.

Williamson W. N. Co., Newark, N. J.

Corn Hooks.

Geneva Tool Co., Geneva, O.

Corn Planters.
J. E. Porter Co., Ottawa, Ill. Counterfeit Detectors.
Pelouze Scale & Mfg. Co., Chicago. Counters, Hardware.
J. D. Warren Mfg. Co., Chicago, Ill.

Counters, Nail Bin.
J. D. Warren Mfg. Co., Chicago, Ili.

Countersinks. C. E. Jennings & Co., New York.

Cover Lifters, Stove.
Troy Nickel Works, Albany, N. Y.

Crayons. Joseph Dixon Crucible Co., Jersey City, N. J. Curled Hair

iaeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Curry Combs. W. & B. T. Fitch Co., New Haven. Conn.
John H. Graham & Co., New York.
F. E. Kehler & Co., Canton O.

Cutlery, Pocket.

John Chatillon & Sons, New York.

Jackson Knife & Shear Co.,
Fremont, O.

Jos. Rodgers & Sons, Sheffield, Eng.
Voigt, Starr & Co., New York.

Cutlery, Table.
Alfred Field & Co., New York.
Goodell Co., Antrim, N. II.
Jos. Rodgers & Sons, Sheffield, England.

Cut Nails.
Fuller Bros. & Co., New York.
Charles J. Stebbins & Co., New York.

Cut-Offs.
Cooney & Geiger, Indianapolis, Ind. Cutters, Fodder. Silver Mfg. Co., Salem, Obio.

Cutters, Rod. Chandler & Farquhar, Boston.

Cutters, Wire.
Bridgeport Mfg. Co., Bridgeport,
Conn.

Cutting Pliers.
Bridgeport Mfg. Co., Bridgeport,
Conn.
Cronk & Carrier Mfg. Co., Elmins,
N. Y.
Charles Morrill, New York.

Dairy Scales.
Osgood Scale Co., Binghamton, N.Y.

Dehorners. H. H. Brown Mfg. Co., Decatur, Ill. Diamonds.
Barrios Diamond Co., New York.

Dies, Steel.
Schwerdtle Stamp Co., Bridgeport, Conn.

Discount Books.
Hardware Publishing Co., New York.
Dog Collars and Muzzles.
Alfred Field & Co., New York.
Tower & Lyon, New York.
Union Hardware Co., Torrington,

Conn. Door Checks and Springs.
Jos. Bardsley, New York.
Henry Pearl & Sons, New York.
Sargent & Co., New York.

Door Holders.
Caldwell Mfg. Co., Rochester, N T.
Henry Pearl & Sons, New York.

Door Springs. Sargent & Co., New York.

Dormant Scales.
Osgood Scale Co., Binghamton, N. Y. Drawers, Hardware.
J. D. Warren Mfg. Co., Chicago, Ill.

Drawing Instruments.
C. B. Jennings & Co., New York.
Kenffel & Esser Co., New York.
Sargent & Co., New York.

Drawing Knives. Tower & Lyon, New York.

Drilla, Bench.
Chandler & Farquhar, Boston, Mass.
Silver Mfg. Co., Salem, Chio.
(See Twist Drills.)

Drilling Attachments.
Silver Mfg. Co., Salem, Ohlo.
Drills, Blacksmiths', Etc.
Sargent & Co., New York.
Silver Mfg. Co., Salem, Ohlo.

Drill Presses. Silver Mfg. Co , Salem, Ohio.

Dumb Waiters. Kimbali Bros. Co., Council Bluffs. lows.

Dustiess Floor Brushes.
Milwaukee Dustiess Brush Co., Milwaukee, Wis.

Electric Bells and Supplies. John H. Graham & Co., New York.

Elevator Enclosures and Cars.
J. R. Bolles Iron and Wire Works,
Detroit, Mich.

Elevators.

Kiniball Bros. Co., Council Bluffs,
Iowa.

Emery and Garnet Paper.
Baeder, Adamson & Co., New York,
Philadelphia, Boston and Chicago.

Enameled Bath Tubs. Colwell Lead Co., New York.

Engravers.
Standard Engraving Co., New York.

Ensilage Cutters.
Silver Mfg. Co., Salem, Ohio.
Envelope and Stamp Lubricators. Pelouze Scale & Mfg. Co., Chicago.

Escutcheons and Push Plates. Brass Goods Mfg. Co., Brooklyn, N.Y. Sargent & Co., New York.

Expansion Bolts.
D. C. Seaman & Co., Philadelphia.

Export Agents.
John H. Graham & Co., New York.

Farming Tools.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Iowa.
Faucets, Metal.
John H. Graham & Co., New York.

John H. Graham & Co., New York.
Fancets, Wood.
John Sommer's Son, Newark, N. J.
Fences, Wire and Iron.
W. J. Adam, Joliet, Ill.
J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Clinton Wire Cloth Co., Clinton, Mass.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland,
Ohio.
Field Hogs.

Field Hors. Geneva Tool Co., Geneva, O.

Files.
G. & H. Barnett Co., Philadelphia.
Alfred Field & Co., New York.
Mayer & Co., Philadelphia, Pa.
Nicholson File Co., Providence, R. I.

hampion Safety Lock Co., Cleve land. O. land, O.
Fulper Pottery Co., Flemington, N.J.

Fire Arms:
Alfred Field & Co., New York.
Harrington & Richardson Arms Co.,
Worcester, Mass.
Remington Arms Co., New York.
J. Stevens Arms & Tool Co., Chicopee
Falls, Mass.

Fish Forks.
Iowa Farming Tool Co., Fort Madison, Ia.

Fishing Floats.
Enterprise Mfg. Co., Akron, Ohio.
J. M. Mast Mfg. Co., Laucaster, Pa.

Fishing Tackle. Enterprise Mfg. Co., Akron, O.

Floor Plates.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

lower Pot Stands.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Fodder Cutters. Silver Mfg. Co., Salem, Ohio.

Food Choppers.

Enterprise Mfg. Co. of Pa., Phila., Pa.

Sargent & Co., New York, and New
Haven, Conn.

Forgings, Carriage.
Columbus Bolt Works, Columbus, O.

Foundry Riddles.
Gilbert & Bennett Mfg. Co., New
York and Chicago.

Frame Pulleys. Sargent & Co., New York.

Fruit Presses.
Enterprise Mfg. Co. of Pa., Philadelphia.

Furnace Shovels.
Geneva Tool Co., Geneva, Ohio.

Garden Hoes. Geneva Tool Co., Geneva, O.

Garden Tools. Alfred Field & Co., New York. Geneva Tool Co., Geneva, O.

Gasfitters' Supplies. Colwell Lead Co., New York.

Gasoline Lamps.
Arrand Vapor Lamp Co., Detroit,
Mich. Mich.
Imperial Gas Lamp Co., Chicago, Ill.
Search-Light Mfg. Co., Chicago, Ill.
Sterling White Light Gas Lamp Co.,
Sterling, Ill.

Gasoline Stoves. Sun Stove Co., Detroit, Mich.

Gas Pliers. Crook & Carrier Mfg. Co., Elmira, N. Y.

lauges, Butt. Stanley Rule and Level Co., New York.

Glass Cutters. W. L. Barrett, Bristol, Conn.

Glue.
Allerton-Clarke Co., New York.
Baeder, Adamson & Co., New York,
Philadelphia, Boston and Chicago.
N. Y. Cabinet Glue Works, New York.
Tower & Lyon, New York.

Grain Gradles.
Iowa Farming Tool Co., Fort Madison., Ia.

Graphite.
Joseph Dixon Crucible Co., Jersey
City, N. J.

Grass Hooks. Iowa Farming Tool Co., Ft. Madison,

Grates.
Blacklock Foundry, South Pittsburgh,
Tenn.

Grindstones. Cleveland Stone Co., Cleveland.

Gummers, Saw. E. C. Atkins & Co., Indianapolis, Ind. Gunpowder. Tower & Lyon, New York

Gun Implements.
Remington Arms Co., New York.
Union Hardware Co., Torrington,
Conn.

Hair Felting.
Baeder, Adameon & Co., New York,
Philadelphia, Boston and Chicago.

Halter Chains. Covert Mfg. Co., West Troy, N. Y. Halters, Weh and Rope. Covert Mfg. Co., West Troy, N. Y.

Hammers.
Columbus Anvil & Forging Co., Col-Coumbus Anvil & Forging Co., Columbus, O.
John H. Graham & Co., New York.
Arthur R. Robertson, Boston, Mass.
Sargent & Co., New York.
Stanley Rule and Level Co., New York.

The Scranton & Co., New Haven, Conn.

Hand Carts.
Syracuse Chilled Plow Co., Syracuse,
N. Y.

N. Y.
Handles, Tool.
Berger Bros Co., Philadelphia.
Geneva Tool Co., Geneva, O.
N. Y. Mallet & Handle Works, New
York, N. Y.

Hangers, Coat and Hat. Cronk & Carrier Mfg. Co., Elmira, N. Y.

Hangers, Pipe.
Berger Bros. Co., Philadelphia.

Berger Bros. Co., Philadeiphia.

Hangers. Barn Door.
Cronk & Carrier Mfg. Co., Elmira,
N. Y.
John H. Graham & Co., New York.
Lane Bros. Co., Poughkeepsie, N. Y.
McKinney Mfg. Co., Allegheny, Pa.
J. E. Porter Co., Ottawa, Ill.

Hangers, Joist and Wall.
National Iron & Wire Co., Cleveland, Dorn Iron Works Co., Cleveland. Ohio.

Hangers. Parlor Door.
John H. Graham & Co., New York.
Lane Bros. Co., Poughkeepsie, N. Y.
Sargent & Co., New York.

Hardware Cabinets.
J. D. Warren Mfg. Co, Chicago, Ill. Hardware Cases.
J. D. Warren Mfg. Co., Chicago, Ill.

Hardware Mfre' Agents, Etc. John H. Graham & Co , New York. Robert Murray, New York.

Hardware Shelving.
J. D. Warren Mfg. Co., Chicago, Ill.

J. D. Warren Mfg. Co., Chicago, Ill. Hardware Specialties. Clark & Cowles, Plainville, Conn. Enterprise Mfg. Co. of Pa., Phila delphia.
Alfred Field & Co., New York. Charles Morrill, New York. Robert Murray, New York.
Sargent & Co., New York.
Harness Dressing

Harness Dressing.
Frank Miller Co., New York, N. Y.

Harness Snaps.
Covert Mfg. Co., West Troy, N. Y.
W. & E. T. Fitch Co., New Haven, Sargent & Co., New York.

Hasps and Staples.
McKinney Mfg. Co., Allegheny, Pa.

Hay Carrying Tools,
Janesville Hay Tool Co., Chicago, Ill.
F. R. Myere & Bro., Ashland, Ohio.
J. E. Porter Co., Ottawa, Ill.

J. E. Porter Co., Ottawa, 2...

Hay Forks.
Geneva Tool Co., Geneva, O.
Jowa Farming Tool Co., Fort Madison, Ia.
Janceville Hay Tool Co., Chicago, Ill.
Willoughby Fork & Mfg. Co., Willoughby, O.

Hay Knives Iwan Bros., Streator, Ill. Hay Presses.
J. E. Porter Co., Ottawa, Ill.

Hay Slings.
Janesville Hay Tool Co., Chicago, Ill.

Header Forks.

Iowa Farming Tool Co., Fort Madison, Ia.

Heaters, Oil. Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Hinges.
Clark Mfg. Co., Buffalo, N. Y.
McKinney Mfg. Co., Allegheny, Pa.
Niles Mfg. Co., Chicago.
Sargent & Co., New York.

Hinges, Shutter.
Baltinger & Berkley Pat. Hinge Mig.
Co., St. Louis, Mo.
Clark Mig. Co., Buffalo, N. Y.

Hinges, Spring.

Bommer Bros., Brooklyn, N. Y.
Niles Mfg. Co., Chicago.
Sargent & Co., New York.

Hinges, Trunk, Box and Door. Brass Goods Mfg. Co., Brooklyn, N.Y. Hoisting Machinery.
Burr Mfg. Co., Cleveland, Ohio.
Kimball Bros. Co., Council Bluffs, Ia.

Hollow Ware. Blacklock Foundry, South Pittsburgh, Tenn.

Hones, Razor.
Alfred Field & Co., New York.

Hone Strops.
J. H. Pero, Chicago, Ill.

Hooks.

Berger Bros. Co., Philadelphia.

John H. Graham & Co., New York.

Sargent & Co., New York.

Horse and Cattle Ties. Covert Mfg. Co., West Troy, N. Y.

Horse Nails.

Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford,
Conn.

Horse Rasps.
G. & H. Barnett Co., Phila., Ps.
Nicholson File Co., Providence, R. I.

Hose Menders.
John H. Graham & Co., New York.

Hose Pipe. F. E. Myers & Bro., Ashland, Ohio. Hose, Rubber. F. B. Myers & Bro., Ashland, Ohio.

Ice Balances.
John Chatilion & Sons, New York.
Pelouze Scale & Mfg. Co., Chicago.

Ice Chisels.
John Chatillon & Sons, New York.
Iowa Farming Tool Co., Ft. Madison,
Iowa.

Iowa.

Ico Cream Freezers.

Dana & Co., Cincinnati, O.

John H. Graham & Co., New York.

North Bros. Mfg. Co., Philadelphia.

Tower & Lyon, New York.

Tower & Lyon, New York.

Geo Creepers.

Edwin B. Stimpson & Son, New York.

Tower & Lyon, New York.

Union Hardware Co., Torrington,

Conn.

Vm. T. Wood & Co., Arlington, Mass. Ice Picks.
John Chatillon & Sons, New York.
Erie Specialty Co., Erie, Pa.
C. B. Jennings & Go., New York
Wm. T.Wood & Co., Arlington, Mass.

John Chatillon & Sons, New York.
Eric Specialty Co., Eric, Pa.
Wm. T. Wood & Co., Arlington, Mass.

Wm. T. Wood & Co., Arlington, Mass.
Iron. Sheet.
Bruce & Cook, New York.
Iron Fences.
Enterpise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland, Ohlo.

Iron Pipe.
Colwell Lead Co., New York.

Iron Work.

J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland,
Ohlo.

Jack Chains.
Smith & Egge Mfg. Co., Bridgeport,
Conn.

Conn.
Ladders.
Berger Bros. Co., Philadelphia.
Lane Bros. Co., Poughkeepsie, N. Y.
F. E. Myers & Bro., Ashland, Ohio.
Lamps, Bicycle.
John H. Graham & Co., New York.
Plume & Atwood Mig. Co., New
York, Boston and Chicago.

Lard Presses.
Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Fences.
W. J. Adam, Joliet, Ill.
Enterprise Foundry & Fence Co.,
Indianapolis. Ind.
Up-To-Date Mfg. Co., Terre Haute,
Ind
Van Dorn Iron Works Co., Cleveland,
Ohio.
Lawn Mowers.

Lawn Mowers.

Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Rakes.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Ft. Madison,
Ia.

Lawn Sweepers.
Greene Mfg. Co., Springfield, O.

Lawn Tools. Geneva Tool Co., Geneva, O. Geneva 1001 Co., Lead.
Bruce & Cook. New York.
Colwell Lead Co., New York.
Lead Pencils.
Joseph Dixon Crucible Co., Jersey
City, N. J.

Lead Pipe.
Colwell Lead Co, New York. Lomon Squeezers.

Berger Bros. Co., Philadelphia.

Krie Specialty Co., Krie, Pa.

John H. Graham & Co., New York,

John Sommer's Son, Newark, N. J.

Stanley Rule & Level Co., New York. Levels.

Tower & Lyon, New York. Looks and Knobs.

Brass Goods Mfg. Co., Brooklyn, N.Y.

John H. Graham & Co., New York.

Sargent & Co., New York and New
Haven, Coan.

Lubricanta.
Joseph Dixon Crucible Co., New York
and Jersey City, N. J.
Luminous Bait.
Enterprise Mfg. Co., Akron, O.

Magnolia Metal.

Magnolia Metal Co., New York.

Mallets.
Bruce & Cook, New York.
N. Y. Mallet & Handle Works, New York, N. Y.
John Sommer's Son, Newark, N. J.
Stanley Rule and Level Co., New York.
Tower & Level Manual Co. Mallets. Tower & Lycn, New York. Union Hdw. Co., Torrington, Conn.

Manieure Appliances. H. C. Cook Co., Ansonia, Conn.

Manure Forks.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Ia.

Manure Hooks. Geneva Tool Co., Geneva, O.

Masons' Lines. Samson Cordage Works, Boston.

Measuring Pumps.
Enterprise Mfg. Co. of Pa., Philadelphia.

Measuring Tapes.
Alfred Field & Co., New York.
John H. Graham & Co., New Y
Keuffel & Esser, New York.

Meat Choppers.

John Chatilion & Sons, New York.

Enterprise Mfg. Co. of Pa., Philadelphia.

John H. Graham & Co., New York.

John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co. of Pa., Philadelphia.
John H. Graham & Co., New York.
Sargent & Co., New York.

Mills, Coffee and Spice.
John Chatillon & Sous, New York.
Enterprise Mfg. Co. of Pa., Philadelphia.

Mills, Drug.
Enterprise Mfg. Co. of Pa., Philadelphia.

Minoing Knives.
Enterprise Mfg. Co. of Pa., Philadelphia.
John H. Graham & Co., New York.

Mitre Boxes. C. E. Jennings & Co., New York.

Mowing Machine Oilers.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Nails. alls. Bruce & Cook, New York. Fuller Bros. & Co., New York. Chas. J. Stebbins & Co., New York.

Nail Fullers.
Bridgeport Mfg. Co., Bridgeport, Conn.
The Scranton & Co., New Haven,
Conn.
Tower & Lyon, New York.

Nail S-ts.
John H. Graham & Co., New York.
C. E. Jennings & Co., New York.

Needles. Aifred Field & Co., New York. Nippers.
Alfred Field & Co., New York.
Charles Morrill, New York.

Atlas Bolt and Screw Co., Cleveland, Ohio. Columbus Bolt Works Columbus, O. Milton Mfg. Co., Milton, Pa.

Office Railings.
J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Gilbert & Bennett Mfg. Co., New
York and Chicago.

Oilers.
Cushman & Denison, New York.
Tower & Lyon, New York.
Wilmot & Hobbs Mfg. Co., Bridgert, Conn.

Oil Heaters.
Plume & Atwood Mfg. Co., New
York, Boston and Chicago.

Ornamental Iron Work.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland, Ohio.

Padlocks.
Ames Sword Co., Chicopee, Mass.
Alfred Field & Co., New York.
John H. Graham & Co., New York.
Smith & Egge Mfg. Co., Bridgeport, Tower & Lyon, New York.

Paints.
Bruce & Cook, New York.
Jos. Dixon Crucible Co., Jersey City,
N. J.

Paper Clips.
Cushman & Denison, New York.

Patents. Davis & Davis, New York.

Pencils.

Joseph Dixon Crucible Co., Jersey
City, N. J.

Pig Lead. Colwell Lead Co., New York.

Pig Tin. Colwell Lead Co., New York.

Pipe Cutters.
Armstrong Mfg. Co., Bridgeport, Conn. Alfred Field & Co., New York. Trimont Mfg. Co., Roxbury, Mass.

Plpe Straps.
Berger Bros. Co., Philadelpnia.
Bruce & Cook, New York.
Smith & Egge Mfg. Co., Bridgeport,
Conn.

Pipe Threading Machines.

Armstrong Mfg. Co., Bridgeport,

Pipe Vises.
Armstrong Mfg. Co., Bridgeport, Conn. Howard Iron Works, Buffalo, N. Y. Tower & Lyon, New York.

Pistols.
J. Stevens Arms & Tool Co., Chicopee
Falls, Mass.

Planes.
C. E. Jennings & Co., New York.
Sargent & Co., New York.
Stanley Rule and Level Co., New
York.
Power & Lyon, New York.

Plated Ware.
M. S. Benedict Mig. Co., E. Syracuse,
N. Y.
Luther Boardman & Son, East Haddam, Conn. Alfred Field & Co., New York.

Plates, Machinery. Schwerdtle Stamp Co., Bridgeport,

Plate Washers.
Milton Mfg. Co., Milton, Pa.

Pliers, Fencing. Cronk & Carrier Mfg. Co., Elmira, N. Y. Alfred Field & Co., New York.

Plumbers' Supplies.
Berger Bros. Co., Philadelphia, Pa.
Bruce & Cook, New York.
Colwell Lead Co., New York.
Smith & Egge Mfg. Co., Bridgeport,
Conw

Conn.

Pocket Cutlery.

John Chatillon & Sons, New York.

Alfred Field & Co., New York.

Jackson Knife & Shear Ce.,

Fremont, O.

Police Equipments.
Tower & Lyon, New York.

Polish, Stove.
Joseph Dixon Crucible Co., Jersey
City, N. J.

ost Hole Augers. Iwan Bros., Streator, Ill.

Post Hole Diggers.
John H. Graham & Co., New York,
Iwan Bros., Streator, Ill.
F. E. Kohler & Co., Canton, O.

Potato Hooks. Geneva Tool Co., Geneva, O.

Poultry Netting. Clinton Wire Cloth Co., Clinton,

Mass.
Gilbert & Bennett Mfg. Co., New
York, Chicago.
New Jersey Wire Cloth Co., New
York, Trenton, Chicago, San Franciaco.

Power Hammers.
The Scranton & Co., New Haven,
Conn.
Price Books.
Hardware Publishing Co., New York.

Pruning Shears.
Cronk & Carrier Mfg. Co., Elmira,
N. Y.

Pulleys, Hoisting.
Burr Mfg. Co., Cleveland, Ohio.
F. E. Myers & Bro., Ashland, Ohio.

F. E. Myere & Pulleys, Hook.
Janesville Hay Tool Co., Chicago, Ill.

Janes And Field & Co., New York.
Charles Morrill, New York.

Smith & Egge Mfg. Co., Bridgeport, Conn.
R. Woodman Mfg. & Supply Co.,
Boston, Mass.

Railings, Wire and Iron.
J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Clinton Wire Cloth Co., Clinton,

Bailroad Brasses.

Magnolia Metal Co., New York.

Bail, Barn Door.
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Jackson Knife & Shear Co.,
Fremont, O

oseph Rodgers & Sons, New York and Sheffield, England.

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Rifles. J. Stevens Arms & Tool Co., Chicopes Falls, Mass.

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Eastern Granite Roofing Co., New York.

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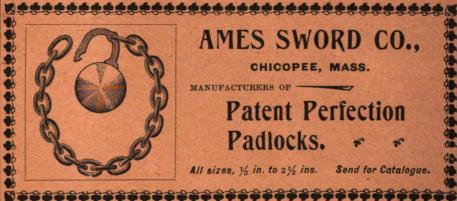
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Vol. XXIV, No. 10

New York, February 25, 1902.

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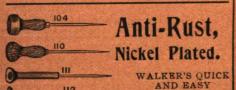
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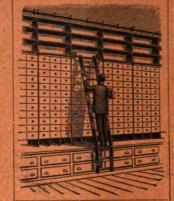
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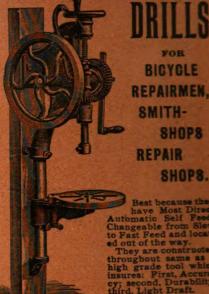
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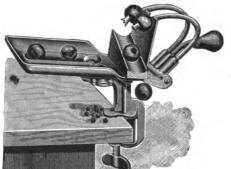
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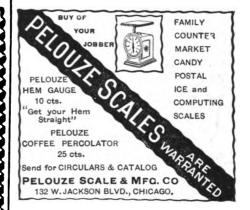
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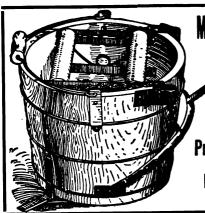
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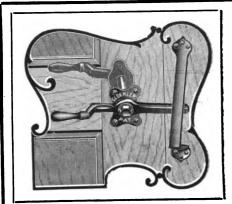
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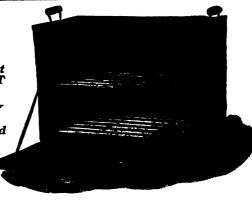
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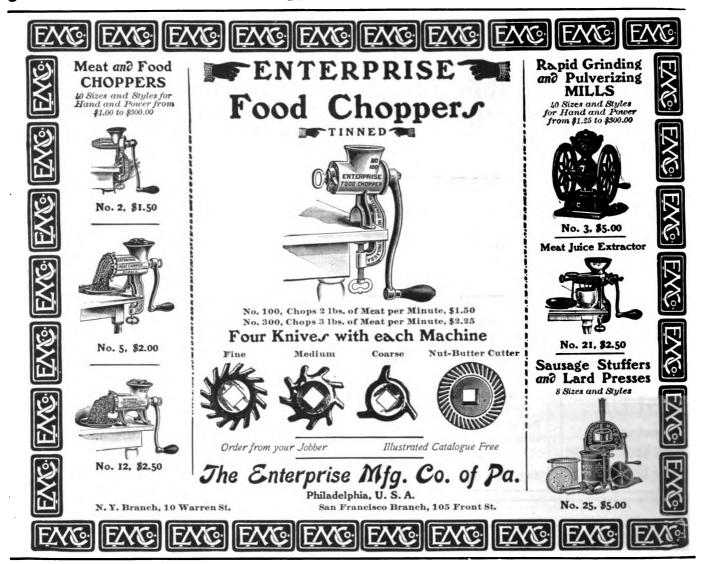
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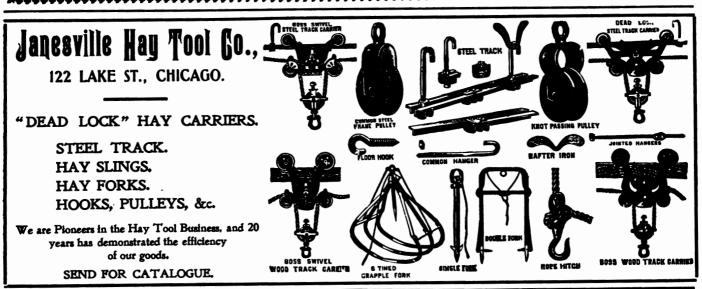
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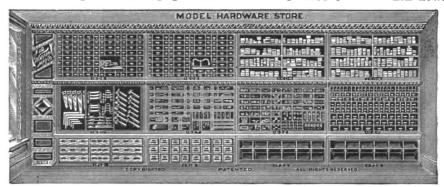
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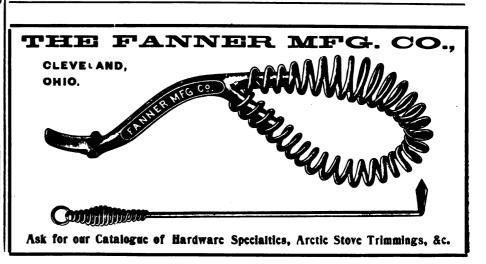
Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

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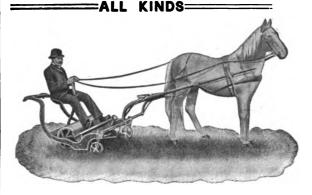
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THE

# "BUCKEYE" WASHING

THE BEST, BECAUSE

It is easy to work. It cannot tear the clothes.

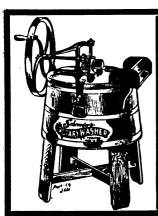
It adjusts itself to the size of the wash. It has a removable bottom, making it easy

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It will wash lace curtains and needlework without tearing, and better than you can do it on a washboard.

It is simple in construction, and has no complicated machinery to get out of order.

BUCKEYE CHURN CO., SIDNEY, OHIO.



# The Schroeder Rotary Washer

is the simplest, most durable, easiest running and the most noiseless washer on the market. We also make the Brammer Rotary, Triumph, Columbia, Great Western and Adams Washers. Guaranteed to give satisfaction. Ask your jobber for them, or write to

Benbow-Brammer Mfg. Co.,

Factories {St. Louis, Mo. Davenport, la.

St. Louis. Mo.

### "BOSS" washing machines.



Latest improved "BOSS" double action and rub board nachine. All gearing enclosed and other important im-

SIZES: \ \ 7, 8, 9, wood frame lower cylinder. \ 10, 11, 12, steel frame lower cylinder.

We are also the patentees and manufacturers of the following:

The Boss Internal Gear Washer,
" " External " "
" New Boss Rotary "
" " Champion Rotary"
" " Standard Champion "
" Standard Perfection "
" Banner Washer and
" Improved Standard.
" Uneeda American Round.

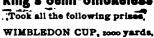
Carried in stock in carload lots in all the principal cities. Write us for prices and advice as to where and from whom you can obtain them, thereby saving extra cost of freight. Carried in stock under jobbers' special brands, but none genuine without our name and address on each machine. Catalogues mailed free upon application.

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At Sea Girt, Aug. 81, Sept. 8, 1900, Great International Rife, Victories! Bovolver and Military contests

# Peters Cartridges and King's 8emi-8mokeless



SCHUETZEN MATCH. INTERSTATE MILITARY MATCH,

INTERSTATE REGIMENTAL TEAM MATCH,

ALT. COMERS MILITARY MATCH.

NEW JERSEY RIPLE ASSOCIATION TROPHY MATCH,

WINCHESTER MATCH,

REVOLVER RE-BNTRY MATCH,

REVOLVER TEAM MATCH; in fact almost everything within sight.

Peters Cartridges are all loaded with the famous King's Semi-; Smokeless.

TRE PETERS CARTRIDGE CC., Cincinnati.

Martern Branch, T. H. KELLER, Mgr., 80 Chambers St., M.Y. Hibbard, Spence-, Bartlett & Co., Chicago, III.

# Tinners all like 'em.



YES, they all like the Powers Automatic Chimney Top.
They make chimneys and stoves draw satisfactorily. They create demand for Gal. Iron smoke stacks, give employment to Tinners and profit to all. Cover is easiest made and most effective. Wind blowing pat cover makes a vaeuum. causing strong up-draft.
Architects specify them, Tinners all prefer them, Dealers sell them. Powers sell Iron Mountings, Tinners do the rest.

Sole makers, STREATOR, ILL.

POWERS BROS., Sole makers, STREATOR, ILL.





### MORRILL'S Perfect Saw

Bench Stops, Punches, Cutting Pliers and Seal Presses.



This Trade Mark is stamped on all Hardware Specialties of my make.



This Trade Mark is stamped on all Hardware Specialties of my make.

For Hand, Band and Jig Saws, from the widest made down to 1-2 inch. The Sets are too well known for me to enlarge on them.

CHAS. MORRILL,

Broadway Chambers, Broadway and Chambers St., N. Y.

# IS THE THE BEST ROTARY WASHING MACHINE?

It is the only Rotary washer that has Revolving Steel Ball Gearing, reducing the friction and thus making machine so light running and almost noiseless.

noiseless.

The tub is made of Louisiana Red Cypress Lumber, cherry finish; the legs are solid with tub (not removable, breaktable legs fastened with screws).

The wheel turns right or left, pin wheel or dasher reverses automatically, turning the clothes back and forth through the hot is ap-suda, and cleaning them without rubbing them to pieces.

This washer is made by experienced mechanics, and will out-last any other washer on the market.

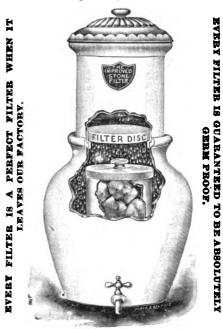
The tub has a wringer box fastened with steel brackets.

The lid on the tub closes tight, no escape of steam.

Manufactured by H. F. BRAMMER MFG. CO., DAVENPORT, IOWA.

Improved Natural Stone, Germ Proof, WATER FILTERS

Prevent Zymotic Diseases by pushing sale of these goods in your locality.



Every shipment contains a handsome display card. Price lists and discounts are furnished upon application. Manufacturers of Sanitary Stoneware of Every Descrip-tion. Pottery Established 1806.

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Ejecting. Simplest

12 and 16 Gauges.

Steel and Twist Barrels



"Take Down" Gun made.

Superior in Design, Workmanship and Finish, and the Most Popular Gun on the Market.

HARRINGTON & RICHARDSON ARMS CO.,

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If you're Looking for First Class **UP-TO-DATE BARROWS** ORDER THE Champions, 184 All Kinds of Wood and World's Rest. THE BRYAN MFG. CO., BRYAN, OHIO,









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# Baldwin Refrigerators.



New Styles and Designs for 1902.

Porcelain, Metal or Spruce Lined. Ash, Oak and Softwood Finishes.

Dry Air and Positive Circulation.

Latest Cleanable Features.

The Strongest and Best System of Patent Removable Metal Air Flues.

The Best Lock in the World.

Air-tight Waste Trap.

Ball-bearing Casters.

Swing Base in or out.

Workmanship and Finish Beyond Criticism.

We have the best and most thoroughly equipped exclusive Re'rigerator Factory in the East. We have learned how to make the best Refrigerator and we always do it. We have had over 25 years' practical experience and are no experiment.

HANDSOME NEW CATALOGUE READY.

Baldwin Refrigerator Co., Burlington, Vermont.

# The Dime Screen Door Check.

(PATENT PENDING.)
MANUFACTURED BY

CALDWELL MFG. CO., Rochester, N.Y., U.S.A.

The Most Effective Device Ever Made to Prevent the Great Annoyance of Slamming Screen Doors.

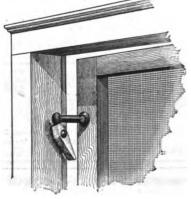


Fig. No. 1.

Fig. No. 1 illustrates the closing door bringing the plunger on the door in contact with the top of the rubber bumper, throwing it up to position as in Fig. No. 2. The door rebounds from the concussion and the rubber drops by gravity to position as shown in Fig. No. 3, allowing the door to close.

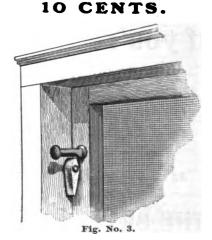


Fig. No. 2.

THE DEMAND IS LARGE. THE SEASON SHORT. . . .

Get Your Orders in Early.

Packed in Attractive
Display Boxes to
Retail for





**GLASS** LINED "HYGIENIC" REFRIGERATORS.

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**NEW CONSTRUCTION.** 

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Ask for our new Catalogue.

COOPER & McKEE, 111-119 GWINNETT ST., BROOKLYN, N. Y.

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# COLD **PUNCHED** NUTS.

Chamfered and Trimmed, Plain, square and hexagon. Also, Semi-Finished and Finished Case Hardened Hexagon Nuts.

Hot Pressed Nuts, Plate Washers, Refined Bar Iron.

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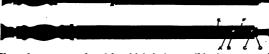
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MILTON, PA., U. S. A.

### THE PUMP STANDARD SPRAY

Made entirely of brass, with two solid brass ball valves.

NO LEATHER WASHERS. NO LEAKING JOINTS. NOTHING TO GET OUT OF ORDER.



The only pump made with which it is possible grown fruit tree from the ground.

IT SELLS AT SIGHT.

THE ADMIRAL LAMP CO., Marysville, Ohio.



# FRYING-PAN CLOCKS

Are unique and ornamental as well as useful. They come in two sizes, 10 in. dial, with raised figures, and 6 in. dial, with painted figures. . .

Also Ille, Program and 60-Day Clocks SEND FOR CATALOGUE NO. 1000.

The Prentiss Clock Improvement Co.,

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Henry Disston & Sons, Philadelphia, Pa. [Saws, Files, etc.]: Our opinion of HARDWARE is contained in the fact of our having carried an advertisement in your paper for a period of four years.



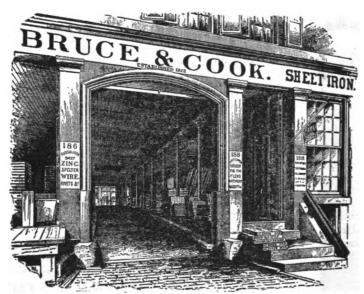
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TIN PLATES AND METALS.

188, 188 and 190 WATER STREET, 248 and 250 PEARL STREET, . . .

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment. . .



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ne Furnaces Roching Seamers. n Gas Gutter, Wide Roof. Gutter Strainers. Hard Metal. Kettle Bars. Lead-Bar and Pig. Leader Hooks. Malleable Bars. Mallets. Metal Lath Metallic Paint. Nails--Rooding Tinaed. Nails--Wire Rooding. Nails-WireR'g Tin Pail Woods. Perforated Tia. Ribbed Leader. Rivets. Roofing Tim Plates.

Rosin.
Sheathing Paper.
Sheet Iron-Char. Cl'd.
Sheet Iron-Cold Rol'd. Sheet Iron-Com. Cl'd. Sheet Iron-Corrugated Sheet Iron--Galvanised Sheet Iron-Planished. Sheet Iron-Russia. Bolder. Soldering Coppers. Spelter. pelter Solder. Squaring Shears. Stove Boards. Stove Pipe. Stove Pipe Collars.
Strainer Wire Cloth.

Taggers Tis. Tin-Bar and Plan Tin Plates. Tin Shingles. Tinners' Mach Tinners' Toole. Ventilators-Glo Wall Hook Water Cut-offs Wire--Ann Wire-Bright. Wire-Coppere Wire-Galvania Wire Tinned. Ziac for Btchie Zinc Sheets.

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BANNER HEATERS HAVE AN

AUTOMATIC SAFETY

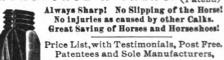
which prevents the flame from burning too high.

For Bed Room, Smoking Room, Bath Room, Library, Nursery, Office, Conserva-tory, Camp or Cottage.

THE PLUME & ATWOOD MFG. CO.,



HORSESHOE-H-CALKS. (Neuss')



LEONHARDT & CO., BERLIN-SCHOENEBERG, GERMANT.

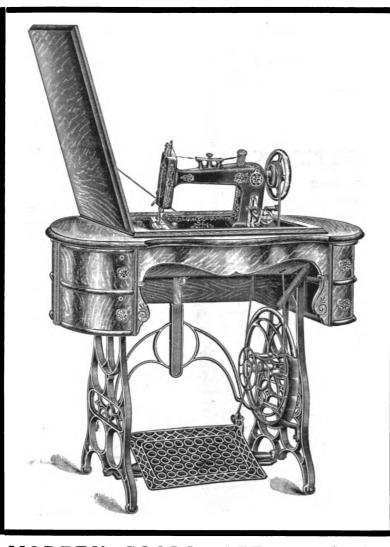


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# That's all there is to it.

Unless it be that the owner may sew, day in and day out, light goods, heavy goods, plain work or fancy, and the machine will always do its part faithfully.

Our goods are moneymakers and business builders.



Just ask us for quotations. We can satisfy you.

WE BUILD MODERN GOODS, AFTER ADVANCED IDEAS, AND OUR PRICES "TALK."

# National Sewing Machine Company

**BELVIDERE** 

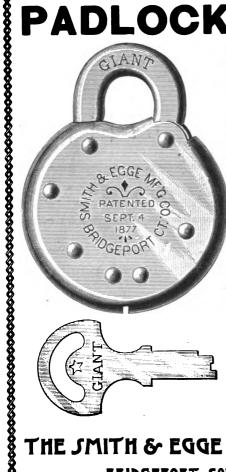
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NEW YORK, 93 Reade St.

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# DLOCKS



Smooth or Government Finish.

Furnished the U.S. Post Office Department for mail bags for nearly twenty years.

# ALL **PADLOCKS**

made with four tumblers cach.

WRITE FOR CATALOGUE.

THE SMITH & EQGE MFG. CO.,

BRIDGEFORT, CONN.

# THIS CAN - - -

HAS A

# **Clock Spring Steel Bottom**

Of extreme durability and springiness. The CYLINDER is of DOUBLE THICKNESS around the lower edge, and is drawn seamless from extra heavy "Swedoh" Steel, Beautifully Finished It readily commends itself to all AGRICULTURAL and HARD-

WARE DEALERS on account of its Elegance, Durability and Cheapness.

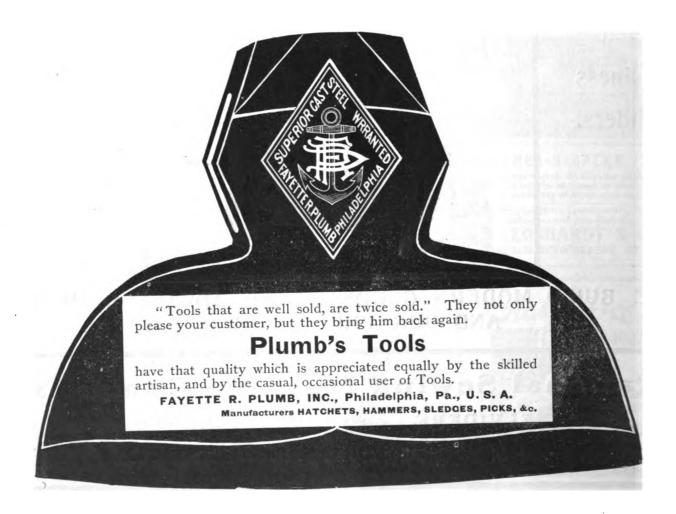
Special price on large orders from the Jobbing Trade.

ORDER NOW FOR **8PRING DELIVERY.** 

# THE AMERICAN TUBE & STAMPING CO..

SUCCESSOR TO . . .

The Wilmot & Hobbs Mfg.Co. BRIDGEPORT, CONN.



# HARDWARE

Peters Cartridge Co., Cincinnati, Ohio, and 80 Chambers Street, New York, announce the fact that they will again be represented at the coming Sportsmen's Show, to be held at Madison Square Garden, New York, March 5 to 19, and also at Boston, February 22 to March 15. They intend providing suitable and comfortable headquarters for their friends and the trade generally, and hope should they visit either of the above expositions they will hunt them up and make themselves perfectly at home.

The Springfield Machine Screw Co., Springfield, Mass., have shown excellent taste in their "1902 Souvenir," which consists of a very attractive searf pin which indicates in its construction the style of their Adjustable Hack Saw Frame. It can be sent in a variety of finishes; the backs in gold or silver, with oxidized blades and enameled handles. They state they will be pleased to furnish these to old friends or to new ones, whether they are interested in Hack Saw Frames only, or in any of their other numerous products.

C. T. Stork, the New York manager of the Columbian Hardware Co., Cleveland, Ohio, and 14 Warren Street, New York, recently returned from the annual meeting of the company held in Cleveland. A very satisfactory report of the year's business was made, and certain additions to the plant were decided upon, and also the addition of a number of new lines to their present productions, which will soon be completed and placed upon the market. The old board of directors was re-elected, and after the shareholders' and directors' meetings were disposed of, the shareholders participated in a dinner at the Euclid Club, as the guests of the company.

Miller, Sears & Walling, 100 and 102 Reade Street, New York City, have recently been incorporated for \$50,000.00 under the laws of the State of New York, and the style of firm name has been changed to The Miller, Sears & Walling Co. The following officers were duly elected: President, William S. Miller; vice-president, Seymour N. Sears; treasurer, Burroughs B. Walling; secretary, John A. Gouldrup; general manager, Arthur S. Bailey. They have just completed an arrangement with the Wm. Schollhorn Co. whereby they will carry a complete line of Bernard, Paragon and Lodi Pliers and Tools.

Logan-Gregg Hardware Co., Pittsburgh, Pa., begin a new volume of "Hardware Hints"—the interesting publication published under their auspices—with a de luxe edition, finely illustrated with artistic half-tones showing among the illustrations the magnificent building now occupied as the quarters of the company; on another page the original building where the business was started in 1831, and the store on Wood Street occupied by the firm for forty-two years, form an interesting group with the portraits of John T. and George B. Logan and Edward Gregg and Thomas A. Parke. Two fine pages handsomely arranged present portraits of the present officers of the company, and the force of traveling salesmen and others of the office staff. The representative employes numbering thirteen, filling still another page, make their readers feel acquainted with the heads of each department, and the illustration given of their seventieth annual dinner given January 2, 1902, brings the picturesque features of this special number to a characteristic close.

## Eighth Annual Sportsmen's Show.

The Eighth Annual Sportsmen's Show, under the management of the National Sportsmen's Association, will be held in Madison Square Garden, New York, from Wednesday, March 5, to Wednesday, March 19, inclusive. The exhibits will include Sportsmen's Camps, Camp Outfits, Guides, Woodsmen and Trappers, Fly Casting, Revolver Competitions, Boats, Launches, Canoes and Marine Motors, Game Animals, Game Birds and Game Fishes, Guns, Rifles, Revolvers, Ammunition, Powder and Shot, Fishing Tackle, Sportsmen's Supplies, Golf Goods, Cameras, Tents, Cabins and Portable Houses, Indian Goods and Indian Camps.

Among the many new features of this year's exhibit will be one great wooded island, to occupy the amphitheater, with a trout stream, water falls, cascades and a grand view of the Adirondacks. Upon the island, which will be reached by rustic bridges, there will be walks leading to the big game inclosures. Along the shore will be the camps and cabins of Maine, Adirondack and Canadian guides, equipped and constructed as they are found along the Fulton Chain, Moosehead Lake, the Rangeleys or the St. John. The island will be wooded with pine, hemlock and spruce, and the visitor will tread earth, moss and rocks as in the woods. There are also in course of preparation a number of interesting features connected with sports, the entire amphitheater being reserved for the carrying out of the plans adopted, trade exhibits being confined to the galleries. For further information, plans of the Garden, &c., inquirers can address Capt. J. A. H. Dressel, general manager, 320 Broadway, New York.

## M. S. Benedict Mfg. Co. Incorporated.

The M. S. Benedict Mfg. Co., of East Syracuse, N. Y., has been incorporated as a stock company with a capitalization of \$600,000 and the following officers: President, M. S. Benedict, of this city; first vice-president, E. H. Banker, of New York; second vice-president, John Allen, of Chicago; secretary and treasurer, Harry L. Benedict, of this city.

The main office and headquarters of the company will be located at East Syracuse, where the main factory is situated, and there will be branch offices in New York, Chicago and Toronto. The factories are at East Syracuse and Ottawa, Ill., with a large shipping house at Chicago.

The new company absorbs the following concerns: The Hamilton Silver Mfg. Co., of New York and Chicago; the Benedict-Dunn Co., incorporated under the State laws of Connecticut for the manufacture of flatware at Bridgeport, Conn., and the Benedict-Clark Silver Co., of Ottawa, Ill., manufacturers of silver novelties. Eventually the Benedict Mfg. Co. at East Syracuse, which is a partnership company, will be made a part of the new corporation.

The formation of the new company will result in the consolidation of several factories. The Benedict-Dunn Co. and the Hamilton Mfg. Co., of New York, will be transferred to a new building recently erected at the Benedict factory in East Syracuse. The Hamilton house in Chicago will be consolidated with the Benedict house in that city, designated as one of the company's chief points of distribution. The stock and machinery of the Benedict-Dunn Co. has already been installed at the East Syracuse plant and the Hamilton plant of New York is now in transit. The output at East Syracuse will consist of both flat and hollow silverware.

# HARDWARE

VOI XXIV

FEBRUARY 25, 1902.

NO. 1

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.

HARDWARE is published on the 10th and 25th of each month. The subscription is \$1.00 a year, payable in advance.

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President.

A. P. MITCHELL, .

Secretary and Treasurer.

HENRY HOPKINS,

Editor.

A. E. BOLLES,

Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted Exclusively to the Hardware Trade.

# Editorial Trade Review.

Getting a good portion of our inclement Winter weather near New York during the past fortnight, and which has also been a feature in other localities, has handicapped country trade through bad roads, lessened to some extent the current orders from the retailer for his daily wants, and made the conditions easier to keep pace with. The general trade in its volume is, however, exceptionally good, and satisfaction is shown in the belief that Winter can now be counted upon to close its meteorological season at a date not very remote.

The travelers now out on the warpath with a view of supplying every possible want the dealer could discover, are sending home the most encouraging orders for immediate shipment within their experience. The orders represent a condition in the general stocks gratifying to notice. They are well assorted as to volume of goods; the demand is gradually showing a desire for better grades of goods than has been the case in former seasons, showing the possession of ability to pay for purchases springing from continued employment among the workers, which produces a wish to have better surroundings, handsomer household necessities, and creates a general, up-to-date belief in the fact that life is more decidedly worth living.

Among the mechanical appliances wanted by skilled labor the same fact is noticeable. It is no longer the demand for something that will just fill the bill at lowest possible cost; but a better article than previously prevailed, that will more quickly accomplish the result and prove a pleasure to use.

Too much "Cheap John" Hardware has been distributed by all the dealers during recent years, and that fact alone helps to create the demand for the better goods now everywhere called for, the goods previously purchased having no lasting qualities. The trade has been looking for this reaction from the large sale of department store trash, unloaded as it has been on the general community. As only Hardware stores proper will stock up on goods of known quality and reputation, a much better average of profit may be anticipated even with this unsoud competition so justly complained of.

The demand for Builders' Hardware already exceeds the ability of the manufacturers to deliver promptly on specified dates, and this delay in the execution of orders has the natural effect of creating a larger number of them, coupled with conditions providing for delivery at some impossible date, rendered so by lacking facilities to produce several months' ordinary supplies within the limits of one. The manufacturers in this line are confident of the largest Spring trade they have known in too many years to count.

Seasonable specialties are doing very well in the way of deliveries, manufacturers having got ahead on their stock requirements when no fear of a possible lower range of quotations would create a restricted production. Goods, which like axes have been held at prices too low for prospective profits, have been in poor supply during the past season. Now we find by a combination of efforts toward co-operation, higher prices are found to be obtainable, and the market so completely demoralized heretofore, will be found in another season the steadiest in the industry. It wasn't the knowledge that any large advance in price was essential, but the fact that whatever prices were agreed upon would be arbitrary and without the unwise concessions that shaded profits already sufficiently indefinite.

The withdrawal of quotations by manufacturers of steel goods would seem to indicate full order books, and a desire for a let-up on demand, until the way seems clear to make deliveries already under contract. Most of the factories having enough orders already booked to run them six months. This change in the conditions will certainly make the market less inclined to suffer from quotations based on previous price lists and discounts not now available to the largest buyers.

## Report of The Commissioner of Patents.

The report of the Commissioner of Patents recently submitted to Congress is interesting as showing that the business of the patent office for the year ending December 31, 1901, was the greatest in the history of the office. The receipts for the year amounted to \$1,499,398.16. The total expenditures were \$1,297,385.64, leaving a surplus for the year of \$152,012.52. The balance in the Treasury of the United States to the credit of the patent office is now \$5,329,471.00.

52,912 applications for patents were filed, and 27,373 patents were issued, being the largest annual issue in the entire history of the office. The total number of trade-marks, prints, and labels registered during the year was 2,965, the largest yearly issue of certificates of registration.

The press of work has been so great that twenty-one of the thirty-six examining divisions are over one month in arrears in their work. These divisions are required to work until 5 o'clock p. m. so long as their work remains more than one month in arrears, thus 128 examiners and assistants out of 219 are working one hour each day over time to keep up the work of their divisions. This condition is due to the fact



that the business of the office has outgrown the examining corps.

The report also shows that the office has been making money for the Government since 1836, one year, 1883, turning into the Treasury \$471,005.14. Notwithstanding the enormous sum to the credit of the patent office, Congress will not appropriate sufficient money to properly carry on the work of the office. Every Commissioner pleads for larger appropriations to enable him to handle the increasing business of the office with greater facility.

Davis & Davis, Patent Lawyers, New York and Washington, D. C.

#### Death of Francis A. Pratt.

Ex-President Francis A. Pratt, of the Pratt & Whitney Co., died suddenly at his home in Hartford, Conn., February 10.

Mr. Pratt was born in Woodstock, Vt., February 15, 1827, being the descendant of a family of noted influence in England. In 1852, through the influence of Samuel Batchelder, he removed to Hartford and took a position in the Colt works. It was there that he became acquainted with Amos Whitney, who from that period until the end of his life was his most intimate business associate. Mr. Pratt became the superintendent of the Phænix Iron Works and Mr. Whitney also became connected with this great industrial centre. Both remained there until 1861, when they entered into the partnership that culminated in the Pratt & Whitney plant, one of the largest and most important industries that has been founded in Hartford during the past forty years.

Messrs. Pratt & Whitney started on Potter Street. Some of their first work was for the Willimantic Linen Co. In 1862 Monroe Stannard, of New Britain, was admitted to the new partnership, each of the members contributing \$1,200. In 1865 the firm erected the first of a group of buildings that now constitute the Pratt & Whitney establishment. The company was incorporated under a charter from the State in 1869. The capital was \$350,000. It was afterwards increased to \$500,000 from the earnings. Mr. Platt became the president and Mr. Whitney superintendent of the works.

President Pratt had a genius for the lines of work in which the company engaged. He established extensive European connections and was abroad personally many times in the interest of the company, traveling in England, Germany, France, Austria and Italy. The foreign business which he secured for the company aggregated upwards of \$3,000,000. He entertained through life broad and comprehensive business views. He was honored by the corps of workmen which found employment at the Pratt & Whitney works during the entire period in which he was the president of the company. But few men have so deeply impressed the working classes with the sympathy, encouragement and appreciation which should be extended to them by the managers of capital. He was under all circumstances the friend of the laboring man. Mr. Pratt was a member of St. John's Lodge, F. & A. M., of Hartford. His character was built on the solid granite. His personal integrity, his uprightness, the loyalty of his relationships and the manhood which he displayed in all of life's concerns made him a man but rarely equalled. His loss will be one of the greatest that Hartford has sustained.

Ex-President Pratt leaves a wife and two children. He was married October 31, 1850, to Miss Harriet E. Cole, of Lowell. The two surviving children are Mrs. Carrie Louise Spalding and Francis C. Pratt, secretary of the Pratt & Whitney Co.

#### Death of John B. Varick.

John B. Varick died at his residence in Manchester, New Hampshire, February 8, after a long and painful illness. The disease from which he suffered was enlargement of the heart. John Barnes Varick was born in Poughkeepsie, N. Y., on January 29, 1833. He was a descendant of an old Dutch family which was identified with the early history of New York, one of its members being Col. Richard Varick, who was quartermaster general on General Washington's staff, and was afterwards Mayor of New York, from 1789 to 1801, holding the office longer than any of his successors. Varick Street, an important thoroughfare in the early days of the metropolis, was named in honor of Colonel Varick. The father of John B. Varick was Dr. Richard A. Varick, who was in his day the leading physician in Dutchess County, New York.

Mr. Varick came to Manchester in 1849, being but 16 years of age, and entered the employ of his cousin, John P. Adriance, who was in the Hardware business on Elm Street. Two years later Mr. Adriance disposed of his interest to Messrs. Varick and Dennis, and then in 1855 Mr. Dennis



J. B. VARIOK.

withdrew from the partnership and the firm became Varick, Storm & Co. Still another change came three years later when Mr. Storm retired and was succeeded by Walter Adriance, the firm being known as John B. Varick & Co. In 1860 Mr. Varick purchased his partner's interest and from that time to the day of his death he was the sole owner of the well known Hardware establishment which bore his name.

Mr. Varick's enterprise was well illustrated in 1892 when his retail store was entirely destroyed by fire. In four days a temporary structure, 192x32 feet in ground dimension was built on the vacant lot west of the city hall, and in three weeks the Varick Co. was doing business there with a full line of goods. Combined with this energy was a sterling honesty, so that the splendid progress of the business which Mr. Varick built up was of the most substantial kind, and both at home and abroad the name of John B. Varick was known to stand for legitimate business of the best type.

Probably no man in New Hampshire, except those who have followed the sea, has crossed the Atlantic as many times as did the subject of this sketch. He made over fifteen trips to England or the continent, finding unfailing delight in the voyage each time. He was on board the fated ocean liner *Oregon* which sank while approaching New York a number of years ago, and was the last person to leave the vessel.

Mr. Varick was twice married, his first wife being Isabel Rice, daughter of Thomas Rice, of Newton, Mass. His children by this marriage were Thomas Rice Varick, of Manchester, and Richard Varick. In 1881 Mr. Varick married Miss Melusina A. Hopkins, of San Francisco, Cal. One child was born to him of this marriage, a son, Remsen Varick. He is survived by Mrs. Varick and all of his children.

In 1813 there were 56 papers in London—8 morning, 7 evening, 7 every other evening, 16 every Sunday.

#### LEGAL CORRESPONDENCE

Any subscriber to "HARDWARE" is privileged to ask any legal question he pleases in this Department and it will be answered free of charge. Address all communications to Editor "HARDWARE," No. 277 Broadway, New York City.

#### Chiropody.

QUESTION: For some years past I have been interested in the study of the foot, and I should like to be informed whether there are any laws affecting a person's right to practice chiropody.

REPLY: There has been in comparatively recent years legislation in New York State upon the subject of chiropody. Chapter 208 of the laws of 1898 provides for the incorporation or the continuation of an institution called the New Pedic Society. The law referred to provides for the examination of a person desiring to practise chiropody, and upon the examination being satisfactory passed, a certificate is issued by the Pedic Society authorizing the person to practise chiropody. The law also provides that the Pedic Society shall issue a certificate without examination to the applicant therefor, provided the applicant was engaged in the practise of chiropody prior to the year 1893.

QUESTION: Kindly inform me if it is necessary to file a certificate of partnership with the County Clerk, in case a party uses his father's name and adds "Son" to it. What are the steps to be taken, and is there any penalty for not filing the certificate?

REPLY: Under the section of the Penal Code relating to the filing of certificates of partnership, we are of the opinion that it is necessary in the case supposed to file a certificate, stating the names and addresses of the members of the partnership. A failure to comply with the statute referred to, is made a misdemeanor and is punishable by a fine of not more than \$500 and imprisonment for not more than one year or both. The certificate to be properly filled out, acknowledged by the members of the firm and filed in the office of the Clerk of the County where the firm does business.

#### HARDWARE PATENTS.

The following list of Patents, Trade Marks and Designs of interests to the Hardware trade are furnished by Davis & Davis, Solicitors of American and Foreign Patents, Washington, D. C., and St. Paul Building, New York City.

PATENTS EXPIRED FEB. 3, 1902.

311,465. Lamp Filling Attachment for Oil Cans, W. Bloomfield, San Francisco, Cal.

311,466. RAZOR GUARD, A. V. Brokhalme, New York, N. Y.

311,487. VISE, T. G. Hall, Brooklyn, N. Y.

311,518. STRAP HINGE, B. D. Palmer, What Cheer, Iowa.

311,527. BEEFSTEAK TENDERER, A. Rein, Hamilton, Ohio.

311,604. Door CHECK, L. Pentz, Canton, Ohio.

311,697. Door Hanger, W. Warner, assignor to E. C. Stearns & Co., Syracuse, N. Y.

311,742. PNEUMATIC DOORCHECK, W. Gillfillan, New Haven, Conn.

311,800. CALIPERS, C. H. Alapaw, St. Louis, Mo.

PATENTS ISSUED FEB. 4, 1902.

692,241. Door Hanger, J. H. Cook, Brooklyn, N. Y.

692,445. Grass Catcher Attachment for Lawn Mowers, O. Hoffman, Portland, Ore.

692,448. BAKING PAN, I. H. Jones, Salisbury, Md.

692,536. LIFTING JACK, H. McDermid, Chicago, Ill.

692,550. Knob Attachment, W. Scharnweber, Seattle, Wash.

692,578. Scissors Gage, D. C. Wolff, Lajunta, Ohio.

692,632. BALL CASTER, C. W. Corey, Boston, Mass.

PATENTS EXPIRED FEB. 10, 1902.

311,872. SASH HOLDER, N. Clark, Sterling, Ill.

311,892. WRENCH, J. Gibbons, West Troy, N. Y.

311,929. WEATHER STRIP, T. Weaver, Harrisburg, Pa.

311, 949. Step Ladder, C. Brand, Oakland, Cal.

311,953. HANDLE FOR DRAWERS, C. M. Burgess, New Britain, Conn.

312,023. Combined Sash Fastener and Lift, F. W. Seymour, Newark, Ohio.

312,024. TRANSOM LIFTER, J. H. Shaw, New Haven, Conn.

312,189. PATTY PAN, J. Chaumont, Wood Haven, N. Y.

312,199. Brad Driver, W. B. Ginter, Hughesville, Pa.
PATENTS ISSUED FEB. 11, 1902.

692,827. THUMB LATCH FOR DOORS, H. Chesner, Philadelphia, Pa.

692,858. SHELF BRACKET, C. F. Kade, Sheboygan, Wis.

692,864. Apparatus for Supporting and Operating Clothesline, C. J. Lantz, Gowrie, Iowa.

692,918. CAN OPENER, C. Sands, Palatka, Fla.

693,021. Door Check, J. Horsfield, Chicago, Ill.

693,028. KEYLESS LOCK, E. A. Judd, New Britain, Conn.

693,097. BARREL TONGS, C. M. Baldwin, Bronson, Mich.

693,108. Construction of Wrench Handles, F. L. Coes, Worcester, Mass.

693,114. KEYLESS LOCK, A. F. Corbin, New Britain, Conn.

#### Changes in The Firm of Bruce & Cook.

Among the co-partnership announcements made so far during 1902 none have attracted or will command so much attention as that having reference to the change in the ancient and famous house named above-Bruce & Cook, dealers in metals, tin plate, sheet iron, sheet zinc, pig tin, copper, lead, spelter, etc., at 186, 188 and 190 Water Street and 248 and 250 Pearl Street, New York. This well known reliable concern dates back to 1812-just ninety years ago-and was the pioneer in its line and has always occupied the position of being the largest and the most important leader in the industry. The original founder was John M. Bruce, who in 1840 was joined by his son, the style becoming John M. Bruce & Son. In 1850 the founder retired, and Franklin W. Bruce, another son, became a partner, the style becoming John M. Bruce & Sons. In 1855 one of the brothers retired and John C. Cook entered the firm and the style then became Bruce & Cook, as it has remained to the present day. John M. Bruce died in 1872, full of years and honors.

At a later date F. W. Bruce retired and his place was taken by John M. Bruce, Jr., who died in 1884. Mr. Cook died in 1892. Of late years the partners have been: Russell W. Mc-Kee, Spencer A. Jennings, Philander R. Jennings, Frank C. Jennings, A. Gardiner Cooper, Elsey C. Cook, and the estate of I. R. Bruce. On February 1, 1902, that co-partnership was dissolved by mutual consent, Russell W. McKee, Elsey C. Cook and the estate of I. R. Bruce withdrawing. The business is continued without change of name, by a new co-partnership composed of Spencer A. Jennings, Philander R. Jennings, Frank C. Jennings and A. Gardiner Cooper, all of whom were, as above indicated, members of the old firm.

The three Messrs. Jennings, it is proper to mention, are nephews of the late John C. Cook, and all of them have for a long time been identified with the business.

No concern in this country, in any line of business whatscever, bears a more honorable reputation than that of Bruce & Cook. The warehouse at the above address is one of the business landmarks of that old section of the city. The connections of the firm extend to pretty nearly all parts of the country, and a number of their customers have done business with them thirty, forty, fifty and even sixty years.

Mr. A. Gardiner Cooper, who is the youngest member of the firm, has been a partner since 1896.

In all parts of the country Bruce & Cook have friends and connections who will be glad to read this reference to the changes that have been made, and that the old, honored and honorable firm style is retained without change.

#### A Loving Cup for Russell W. McKee.

In connection with the withdrawal of Russell W. McKee from the firm of Bruce & Cook, and the reorganization of the firm under the same name, an extremely interesting event took place on January 31, 1901, when his former partners and numerous employes of the firm presented a magnificent silver loving cup to Mr. McKee in commemoration of the completion of his forty-seven years' connection with this honorable firm, their desire being to show in this manner the



RUSSELL W. M'KEE.

solid esteem, affectionate regard and profound respect entertained by the donors for the retiring partner. Mr. Mc-Kee is one of the best known veterans in this old established business, and by those in the metal trade everywhere his opinions are highly regarded, he being esteemed as an authority on everything appertaining to this important industry. His retirement from active participation in the affairs of the firm is regarded with profound regret by all his associates, notwithstanding the belief that he will enjoy the semi-official pleasure of occasionally ornamenting his old desk in the corner, which will be retained for his use whenever he



THE M'KEE LOVING CUP.

makes his appearance at the office. At the end of this long period of devotion to the interests of the firm, he will be enabled to take a deserved period of restful inactivity, without that feeling of unavoidable responsibility inseparable from a connection of such long continuance.

Mr. McKee's entire life has been devoted to fostering and encouraging the underlying principles of human action which eventuate in the formation of Christian character as applied to the pursuits of commercial life. He has been guided by three important watchwords which he has made

peculiarly his own. They consist of Tact, Push and Principle, and throughout his whole mercantile life, in every transaction, the importance of those elements of character has been constantly kept to the front. Those associated with him as employes, many of whom have been in the employ of his old firm for periods of time represented by twenty, thirty and even forty years, have profited by his counsel and display of a wise upbuilding of character, that makes them today good citizens and far-seeing business men, in whose minds and consciences the importance of "tact, push and principle" as elements of commercial success cannot be gainsaid.

#### Our British Letter.

(By Our Special Correspondent.)

LONDON, Feb. 11, 1902.

The Americanization of the Atlantic is one of the questions just now occupying the attention of shippers and those interested in the various lines of merchant vessels which cross to and fro between the two great English speaking peoples. Negotiations for the control of the Atlantic freight traffic have been carried on for a year or more. During this time several German lines were purchased, but Germany is now alive to the danger of surrendering its shipping. Freights have fallen low owing to railway influence and powerful organizations backed by the great steel and coal kings of America. If the present provisional arrangements for the control of American freight are carried out American manufacturers will be able to flood the markets of Europe on even more advantageous rates than are at present obtained.

The Royal Commission now inquiring into "The Extent and Available Resources of the Coal Fields of the United Kingdom" will probably discover not only the extent of our coal fields, but will make searching inquiry into the means adopted to procure coal. It is well known that in the majority of mines in this country mining is carried out on very primitive plans. Hand labor is still largely employed and comparatively few of the modern methods that science has devised are adopted. The United States have long applied electricity on their coal fields and Americans have competed with us in the Mediterranean and other parts of the world. The inquiry will probably lead to an "awakening," and the ultimate use of coal-cutting machinery. Electric drills, electric haulage and other labor saving and less costly means of production have long been needed.

Among the more stirring matters in the gas lighting world the affairs of the Welsbach Co. have been prominent during the past few weeks. The recent stormy meeting of the shareholders held to consider the report of the Advisory Committee resulted in the enforced resignation of the directors. The new board is pledged to a course of retrenchment and reform and the great aim of the new directors will be to make the undertaking a paying one, framed on a sound commercial basis. They have already stated that they intend to uphold the company's patents by vigorous action, if found necessary. The lawsuits in which this unfortunate company have been involved are legion and it would appear they are not likely to be lessened.

On January 25th, in the King's Bench Division of the High Court, thirty-six cases were down for hearing before Justice Phillimore. In none of these did the defendants put in an appearance, the Welsbach Co. obtaining restraining injunctions against the infringements of their patent rights; and the stocks of mantles held by the various offending firms were ordered to be given up.

There is a steady increase in the use of incandescent gas lighting in this country, and there are few towns or villages where it is not extensively used. Naturally, there is a demand for a low priced mantle and sellers are not slow to avail themselves of it, even at the risk of proceedings being taken against them.

Smart advertising is no longer regarded as the exclusive property of Hardwaremen on the other side of the water. A Brighton ironmonger has recently adopted a novel form of advertising his tool trade. He made a special purchase of 5,000 saw files and announced that he would present one free to all bona fide mechanics. Inquiries came from far and near, and every applicant received a file together with a bright and attractive price list of cheap and good tools. The advertisement is novel and perhaps costly, but it cannot fail to pay in the long run.

The progress of civilization and the advancement of science is observed in the construction of a telephone service right into the heart of Africa, penetrating to the capital of Abyssinia. It is amusing to note that although one of the latest applications of electrical science has been adopted by the one time barbarian race, governed by King Menelik, the march of civilization and the present day humane treatment of even or criminals has not followed so rapidly. The penalty for injuring a post or wire—the chopping off of the right hand—speaks for itself.

#### New England Hardware Dealers' Association.

The New England Hardware Dealers' Association held their ninth annual meeting, which included the election of officers, at the Quincy House, Boston, Wednesday, February 12th. Dinner was served as usual at 5:30 p. m., and this was followed by the election.

President George W. Burditt was not able to be present owing to illness, and Vice-President Sewall D. Balkam took the chair. A resolution was offered by Charles E. Adams, which was unanimously adopted, expressing the sympathy of the association for President Burditt in his illness.

Resolved, That the members of the New England Hardware Dealers' Association send their warm sympathy to President George W. Burditt during his temporary illness, and express their kindest wishes that he may soon resume his business duties, also join us at our meetings fully restored to his accustomed health.

The report of the treasurer, Henry M. Sanders, which was then received, gave every indication that the affairs of the association were in a prosperous condition.

Secretary James A. Farless then presented his annual report, which embraced in its matter a resume of the work done at each meeting during the past year. The number of meetings consisted of eight monthly and seven special. A full record was made of the order of proceedings, and interesting details of the various entertainments.

Charles E. Adams, delegate to the Massachusetts State Board of Trade, which, as is well known, is composed of forty-one trade organizations within the boundaries of the State, then made a brief address in which he referred to the success that had been obtained in the way of influencing trade legislation, which had been accomplished by the united and intelligent presentation of the several wants of the different trades to the legislative bodies, both State and National. He took occasion to emphasize the importance of the New England Hardware Dealers' Association, their increasing numbers and growing strength.

#### ELECTION OF OFFICERS.

The Nominating Committee, which consisted of Samuel H. Thompson, of Lowell; Edward A. Loomis, of Providence, and William D. Parlin, Natick, then reported the following as officers for the ensuing year:

First vice-president, John H. Sayward, Haverhill, Mass. Second vice-president, John B. Hunter, Boston, Mass. Third vice-president, E. Loring Richards, Boston, Mass. Secretary, James A. Farless, Boston.

Treasurer, Henry M. Sanders, Boston.

Directors: D. Fletcher Barber, Boston, Mass.; Charles E. Adams, Lowell, Mass.; John M. Fiske, Natick, Mass.; E. C. W. Bliss, Boston, Mass.; Calvin M. Nichols, Dorchester, Mass.; Joseph H. Williams, Boston, Mass.

The gentlemen named were unanimously elected to fill the

several positions for the ensuing year. For president, the name of Sewall D. Balkam, of Jamaica Plain, was presented by Samuel H. Thompson, of Lowell. There being no other nomination, Mr. Balkam was unanimously elected. In accepting the high position, President Balkam addressed the association as follows:

#### PRESIDENT'S ADDRESS.

Let me assure you that the honor just conferred upon me is very highly appreciated, and, in accepting it, I fully realize the importance of the responsibility, feeling that our association has come to the time when the word must be forward, if we are to continue. You have elected an Executive Committee, of which I am but a member, who are equal to the occasion, and on that committee will be placed the entire responsibility, success or failure. This association or any other will never run itself except into the ground. We must have hearty co-operation of all. Large committees of dead wood are but a burden, and it is my desire to-night that any man appointed who feels there is nothing for him to do to resign at our next meeting. I propose to do what is in my power toward an improvement in membership and interest, and shall expect the same effort on the part of our Executive Committee and each member. If this cannot be done my term of office will be brief.

THE OBJECTS OF THE ASSOCIATION

are many. Some have simply come for a good dinner, leaving at once for entertainment outside. Such members are of no value to the association, as it costs all they pay to carry them. Others come for various kinds of entertainment, which is not altogether profitable. Some for business only, but this is not always desirable. It appears to me that the most valuable feature has been the bringing before us by able speakers of topics of the day important to all, many of which the ordinary Hardwareman has not the time to become familiar with. Another feature to my mind of great value is the good fellowship, coming close together and realizing that we are men in a true sense. I wish also just to refer to the great value of organization which has been so ably referred to by Mr. Adams.

BACK OF ORGANIZATION IS STAGNATION.

There is power in organization, and back of it remains stagnation to nearly every enterprise. We have seen and felt the most of it in my section of the city. With no important society or other organization for the public good, what have we received? Nothing, when our neighbors in Dorchester have had at least a dozen of various forms. The result has been thousands of dollars for them, practically nothing for us. So let us broaden out and feel that though we may not get money value in return we are doing something for the good of all. As stated by one of my neighbors recently in an address at Buffalo, the success of the business man, of any man before the public, is not measured by the amount of business done or the amount of money accumulated, but by the good done and the uplift given to those on every side. So let us broaden our vision and touch our neighbors for good, bring out competition to this association for our mutual advantage.

The question of the evening was "The Outlook of the Association," and on this remarks were indulged in by a number of the members present, all of whom spoke with confidence in the future, fortified with a belief that there was no doubt about the association meeting with an extremely successful year.

The veteran secretary, James A. Farless, having attained the seventy-fifth anniversary of his birth on the day of the annual meeting, it gave the members an excellent opportunity of congratulating him upon his successful achievement of that immortal day. He was so well pleased with the congratulations showered upon him that he entertained the members with a little interesting speech, which included his recipe for long life and happiness. Mr. Farless is on record as having attended every meeting, both committee and regular of the association, with a single exception, since its organization in 1893, and this alone would give evidence of the fact that he had enjoyed most excellent health considering his years.

A committee for the March meeting was appointed by the president, E. Loring Richards and George J. Mulhall being the members.



## NEW YORK & PA. HARDWARE JOBBERS' ASSN.

A joint meeting of the New York Hardware Jobbers' Association and the Pennsylvania Wholesale Hardware and Supply Association was held in the city of Wilkes-Barre, Pa., February 13th, 1902. The members of the two associations were entertained by the local houses of C. Morgan's Sons, Pennsylvania Supply Co., Phelps, Straw & Co., and A. J. Roat, of Kingston, Pa.

The joint meeting of the two associations was arranged by Phelps, Straw & Co., who are members of both organizations. Previous to the joint meeting of the two associations, each held independent meetings of their own in the forenoon, and at 2 o'clock convened at the Westmoreland Club for a meeting, in which J. M. Kemmerer, of Scranton, Pa., was elected as chairman of the joint meeting, and as secretaries, S. J. Weaver, Rochester, N. Y., and H. L. Raub, Lancaster, Pa., were appointed.

The chairman at once introduced the speakers of the occasion, J. W. Black, Syracuse, N. Y., and G. H. Bright, Reading, Pa., who delivered interesting addresses, one of which follows:

ADDRESS OF J. W. BLACK, OF BURHANS & BLACK CO., SYRACUSE, N. Y. Gentlemen: In preparing a paper for this meeting, I feel I have taken upon myself a deep responsibility. There are many here who have had many years of experience and activity in the business we are engaged in. Were it possible to pry into the secret stores of knowledge which they possess, I doubt not but that they could give us very interesting information on these lines. Inasmuch as they will not divulge their interesting past and favor us, you will have to rest content with a lesser light.

The many details of mercantile affairs as connected with the Hardware trade are very numerous; in fact, as much, if not more so, than in any other branch of business. There is not more so, than in any other branch of business. a very meager chance for the slow-going, old style business man who still insists upon wearing sandals, because his forefathers did so before him. Now,

IN THESE DAYS OF MODERN INVENTIONS, the days of the great Edison and Marconi, the gigantic financial operations which have been successfully carried through by such men as Morgan, Carnegie and others, and the many prominent moneyed institutions which exist with such large and untold wealth, lead one to pause in wonder. Is it real? We are now experiencing a condition of great prosperity. This has continued through a longer period than the pessimist had predicted and extended to a date much farther in the future than the extreme optimist has imagined. It is wise, in the face of all this, to prepare for the change which must inevitably follow. It is also the belief of most well-balanced minds that the prudent man will fortify himself for a condition which will only be in a measure a repetition of past ex-The business we represent here to-day is prosperous and will no doubt continue to be so during the year 1902. Still, we must not be surprised to see declines in the interim. There is one important factor which enters largely into the present situation, and we cannot ignore it.

THE GIGANTIC CONSOLIDATIONS OF MANUFACTURING INTERESTS, of railroads and finance, have been, and are to this day, the balance wheel of commerce. We at least know from day to day that our merchandise has a value devoid of that uncertainty which we have experienced previous to their forma-If the business of large corporations are so success ful, is there not something to be learned from them? In the opinion of the writer the largest factor in bringing about this result is a broad-minded policy. In the management of our business there are many obstacles which are continually presenting themselves for our consideration. We have the startling fact that each year our expenses are growing larger, and our profits reduced in a similar proportion. I believe that inferior salesmen will prevent you from doing a successful business. A man should be paid on the basis of what he has accomplished. He should be an educated man and of good address, and most important of all, possess good judgment.

You will always find competition wherever you go. it not be an ideal condition if we could get on without it? I fear, however, we shall continue to experience it so long as we exist in a mercantile way. Our association should by co-operation endeavor to smooth the way as much as possible. THE CONSIDERATION OF COMPETITION

is something which is of great importance at the present time. Perhaps some of you are not interested in this subject owing to the fact that you have none. If such is the case, we think you are exceptional. We believe that the trouble comes from the jobbers themselves. The man who relies solely on If such is the case, we think the information which is given him by his travelers will often go astray, owing to the fact that this same travelor, although he is sincere in the statements which he makes, is misled by the fact that his information does not come from a reliable source. Also, he does not take sufficient time to investigate: in other words, he does not go to the bottom of it. An extremely low price which is once made to a customer simply establishes a precedent for others to fol-The customer will take particular delight in giving this information to other travelers, and very soon you will find that the price on this class of goods is demoralized throughout the entire State. We should make up our minds throughout the entire State. to be a little more conservative in listening to such statements and not conclude hastily that we must meet such concessions until we have the absolute facts in the case: even then we should question well its advisability.

When we are continually selling at a ridiculously low price, would it not be wise to always bear in mind that we have a fixed percentage of cost which it is necessary to con-

Our salary list, our general office expenses, the increase in rents, etc., are much in excess of former years. The immense detail which is a necessity in doing a large business and a successful one, requires much study, so that we may be able to keep our expense account within reasonable bounds.

#### THIS CONTINUED STRIFE TO SUCCEED

is a strong factor in reducing the percentage of profits en If we would but be content to confine ourselves to the territory which naturally belongs to us, it would net us better results. If each and every one should figure occasionally, if not at all times, the cost and percentage of profit that a traveler makes for him, we would not hesitate to guarantee at the end of the year that he would be selling goods not only at a better profit, but he would sell less of merchandise which does not bring a profit at all. I really believe there is not a firm represented here to-day who has not customers who are unremunerative and does not pay him to sell. We would suggest that with these accounts which are under suspicion in this respect, that you will figure the profit on what you have been selling them during the year 1901, and we believe after doing so, you will be rather startled at the results. I will illustrate by giving you the facts in one case. A certain jobber sold to one man fifteen hundred (\$1,500) dollars worth of merchandise in one year. The average profit was 11 per cent. A good proportion of This same firm was carryit was in barbed wire and nails. ing this man's paper for eight hundred (\$800) dollars. What did the jobber do? He made a detailed statement of it and told his traveler to show it to his customer. What was the result? The traveler got the largest order for shelf goods and merchandise paying a profit he ever received from him, and there were no nails or wire in it either. Gentlemen, don't give in too easy, and you will have more money at the end of the year. Lots of people will tell you how to get rich, but they do not tell you why they didn't get rich. It is not always the man who sells the most goods rich. who makes the most money.

THE GREAT TROUBLE WITH SOME TRAVELERS is that they do not have enough confidence in themselves. Perhaps you will doubt this statement, but it is neverthe-

less true in some respects. They do not always realize the proper time to say "No," in reply to an unreasonable request. We should remember that it is for our interest to treat our trade fairly and honorably. We believe they will treat our trade fairly and honorably. We believe they will appreciate our efforts in every case. The jobber is just as Cassential to the retailer as the retailer is to the jobber. What would the retailer do if he had to send to the factory for every article he purchased? It would cost him much more in the end than by getting his goods through the jobber. Many of the retailers do not seem to appreciate fully the situation in this respect. There are many instances where delays occur in shipment of merchandise, which are delayed on the railroad. Without consulting the jobber, delayed on the railroad. Without consulting the jobber, he simply writes a letter, "Cancel my order," and does not even stop to say "please" in many cases. Now the jobber sells his merchandise f. o. b. the cars and his liability ceases there. This is a fact which should be impressed upon the retailer. Cases of this kind are very numerous and have been more so during the past year, during the great strike, and many delays have occurred in consequence. retailers will also write to you and state you have charged them too much for certain articles on invoices. You may have given them the proper price but the other man has not. There may be enough, possibly more articles which are lower than those of the other fellow, but he does not say anything about that. This is why prices are demoralized. We keep meeting the other fellow who is low until we are selling everything on that basis. Now, is there any reason who a rateilar should not take an invoice and average up the why a retailer should not take an invoice and average up the prices? Why should the jobber reduce on one thing where he is high and not advance on another where he is too low? It seems to me this would be a fair proposition.

A large amount of

THE COMPETITION COMES FROM THE MANUFACTURER. This subject, of course, has been brought up thoroughly by the National Association and other associations as well, and it is unnecessary to speak of it here. One thing is certain, however, that the jobbers by concerted action can accomplish much with the manufacturer.

We should band ourselves together to accomplish the best results and lose sight of the fact that we are competitors. We are confronted with a situation which, although not new, is a serious obstacle to us in the East. Our brother Hardwaremen in the far West seem to feel they can secure much profitable business in our immediate territory, only for the asking. It seems to the writer that it is like trying to make water run up hill. They sell to the retailer whom you sell; also endeavor to sell the jobber, and in many cases the con-I regret to say that some of our jobber friends are in the habit of assisting these same competitors by giving them an order occasionally, for some product which they control, thereby helping them out on their expense account. I do not claim that we own any territory or trade. Both are open to the world. We do not want the earth, but modestly ask for a very small portion. We will be magnanimous and ask for a very small portion. we will be divide with the retailer, who is our friend, but please, Mr. divide with the retailer, who is our friend, but please, Mr. divide with the retailer, who is our friend, but please, Mr. Retailer, don't bear down quite so hard at times. "Live and let live." Why not? Oil the wheels, and the machine will carry you over the rocky road of life, and when your time comes, you will admit that the "other fellow" isn't so bad after all.

This paper contains nothing new to you who are present here to-day. Possibly, however, there are some little suggestions which may cause you to reflect, that we are following the same path and we must turn aside a little for each other on the way. Let "give and take" be our motto, and all remember it doesn't cost anything to say, "By your leave," or "If you please."

In conclusion, we have many things to be thankful for. Our wares are made of iron, and iron is king. Our great and glorious country is teeming with this natural product, and all we have to do to avail ourselves of its advantages is to dig it from Mother Earth and mould it at our will. We can and will supply the world, not only with iron but many other commodities. The broad-minded policy we have pursued in our foreign relations, our treatment of the Philippine, Cuban and Chinese questions has made us the greatest nation on earth. It is in the love of our country and our flag we are as a unit. We drink your health to-day. To-morrow? Well, if we can't get the business any other way, I presume we'll have to cut the price.

After the submission of these papers, which were received with every demonstration of approval, Chairman Kemmerer announced that the meeting was open for general discussion, which was at once entered into, considerable interest being evinced by the members of both associations.

The New York State Association being one of the oldest trade organizations of this kind, was able to advance to the members of the younger Pennsylvania Association the results of their experiences, which it was hoped might prove profitable to the Pennsylvania organization. The results of this discussion seemed to develop the idea of the general approval or organization work, and methods and plans in the interest of trade generally, both wholesale and retail, were interestingly discussed by all the members present.

Remarks were made by the following gentlemen:

Frederick Barker, I. D. Booth, Elmira, N. Y.; F. W. Huff, of the Supplee Hardware Co.; T. James Fernley, Philadelphia, Pa.; Chas. H. Turner, Albany, N. Y.; A. J. Roat, Kingston, Pa.; W. H. Taylor, Scranton, Pa.; G. D. Palmer, Rochester, N. Y.; S. Spencer Scott, of the Seltzer-Klahr Co., Philadelphia, Pa.; Geo. D. Krause, Lebanon, Pa., and J. H. Ritter, of the Biddle Hardware Co., Philadelphia, Pa.

The presence at the meeting of T. James Fernley, the ever genial secretary-treasurer of the National Hardware Association, added considerable zest and interest to the proceedings. Mr. Fernley having had opportunities of an experience so extended along the lines of association work, was able to give the gentlemen present considerable valuable information, which, without doubt, culminated in beneficial results to the members of these two organizations, who were so congenially brought together by the Wilkes-Barre gentlemen.

After adjournment of the business meeting, the members of both organizations were elaborately entertained at a banquet served by the local members of the Westmoreland Club.

In addition to the following houses, which were represented at this meeting, representatives of the Hardware Jobbers' organization of the city of Philadelphia were in evidence by the presence of the following well known gentlemen, who were in attendance owing to their sympathy with organization work of this kind in general, and particularly with the Pennsylvania Association:

T. James Fernley, National Hardware Association; F. W. Huff, Supplee Hardware Co.; James H. Ritter, Biddle Hardware Co.; S. Spencer Scott, Seltzer-Klahr Hardware Co.

The following houses connected with the two associations were represented:

Pennsylvania Association.—Bright & Co., Reading, Pa.; J. H. Obold & Co., Reading, Pa.; Stichter Hardware Co., Reading, Pa.; Bard, Schlott & Co., Reading Pa.; Bittenbender & Co., Scranton, Pa.; Foot & Shear Co., Scranton, Pa.; Chas. B. Scott, Scranton, Pa.; Scranton Supply and Machine Co., Scranton, Pa.; Reilly Bros. & Raub, Lancaster, Pa.; Geo. Krause & Co., Lebanon, Pa.; C. Driesbach's Sons, Lewisburg, Pa.; A. J. Roat, Kingston, Pa.; C. Morgan's Sons, Wilkes-Barre, Pa.; Pennsylvania Supply Co., Wilkes-Barre, Pa.; Phelps, Straw & Co., Wilkes-Barre, Pa.

New York State Association.—Syracuse Hardware and Iron Co., Syracuse, N. Y.; Burhans & Black Co., Syracuse, N. Y.; Barker, Rose & Clinton Co., Elmira, N. Y.; Irving D. Booth, Elmira, N. Y.; Weaver, Palmer & Richmond, Rochester, N. Y.; Albany Hardware and Iron Co., Albany, N. Y.

The names of the after-dinner speakers of the occasion follow, and it is needless to say that they fulfilled the demands of the occasion admirably, and added greatly to the entertainment and interest of the occasion.

G. D. Palmer, Rochester, N. Y.; Gen. H. W. Palmer, Wilkes-Barre, Pa.; T. James Fernley, Philadelphia, Pa.; W. H. Taylor, Scranton, Pa.; J. M. Kemmerer, Scranton, Pa.; Chas. H. Turner, Albany, N. Y.; J. H. Ritter, Philadelphia, Pa.

The Iowa Retail Hardware Dealers' Association convention, which was to have met at Des Moines on February 18, 19 and 20, has been postponed to meet at Cedar Rapids March 4, 5 and 6. The headquarters will be at the Grand Hotel, and the program as originally formulated will be carried out.

### ILLINOIS RETAIL HDWE. DEALERS' ASSN.

The Illinois Retail Hardware Dealers' Association held their fourth annual meeting in the Elk's Hall, Decatur, on Wednesday and Thursday, Feb. 12 and 13, and was considered by the delegates present to be the largest ever held by the Association in the history of the organization, over 200 dealers being present. The meeting was called to order by President H. G. Cormick, of Centralia, at 11 o'clock, and introduced Michael Fahey, who represented the Hardware dealers of Decatur. Mr. Fahey said upon being introduced:

"Mr. Chairman and gentlemen of the convention: Not having the privilege of meeting with you last year and meeting with you this year, as a member of your convention, upon behalf of the Decatur dealers we bid you welcome to our city. On behalf of the different clubs of the city of Decatur we extend to you their use during your stay in Decatur. I now take pleasure in introducing to you the Mayor of the city of Decatur, Charles F. Shilling."

Mayor Shilling then addressed the convention as follows: "Mr. President and Gentlemen of the Retail Hardware Dealers' Association: As a representative of the city of Decatur I extend to you a most cordial welcome and invitation to accept the hospitalities of our city, where you are to hold your fourth annual convention. In anticipation of your coming I have had all the gates opened; all of the doors unlocked, and invite you to join with us in making this your home and having a good time. Enjoy yourselves so that when the time comes for you to leave for your homes there will not be one among you who will not be glad he came, and all can leave for their homes with a good word for the city of Decatur and say that her people are all right. I thank you."

This was responded to by D. McLaughlin, of Chicago, who said:

"Mr. Chairman and your Honor: On behalf of the Retail Hardware Dealers' Association of Illinois, I sincerely thank your Honor, and also the clubs which have extended us their courtesies; and we assure you, Mr. Mayor, and also the representatives of the clubs, that there is nothing that the Hardware Dealers' Association will appreciate as much as the kindness and respect of the people of Decatur. Again I thank you."

Secretary G. R. Lott, of Chicago, then called the roll, after which President Cormick announced the following committees:

Committee on Location of Next Place of Meeting—J. M. Hunter, Leon Nish, W. J. Krueger, L. H. Clark, F. W. Slecke, H. N. Murphy, Z. T. Miller, C. M. Hurst.

Finance and Auditing—George A. Krueger, F. B. McKinney, D. Reflor.

Resolutions—L. Babst, Charles Williams, W. F. Gormley, Geo. A. Neeb, J. L. Hudson.

By-Laws—F. F. Porter, G. B. Churchill, L. M. Reeves, J. D. Barnett, J. H. Vawter.

Nominations—D. McLaughlin, Wm. Bittle, R. G. Schuerer, Chas. McGuire, Fred Kurtz.

Press-W. B. Costello, H. H. Roberts.

Question Box—D. E. Styles, J. Bellamy, J. L. Smith.

The convention then took a recess until 1.30 p. m.

WEDNESDAY AFTERNOON SESSION.

Upon calling the convention to order Wednesday afternoon at 2 p. m., President Cormick then delivered his annual address as follows:

#### PRESIDENT'S ANNUAL ADDRESS.

In presenting my annual address to this, our fourth convention, let me congratulate you upon your apparent good health, and the prosperity of your business. While in the year past some sections of our State were visited by a drought that materially injured business locally, I think, taken as a whole, the State has experienced a good business year, and prices have been well maintained.

Our State Association began comparatively a short time ago, and where the aims and objects have been fully set forth, and a personal canvass been made, the trade has awakened to a lively interest, and an increase of membership resulted. In my own trips in the southern part of the State, with few exceptions, I found the dealers realized the necessity of a concerted action towards an effort to relieve the business of many evils that have been the growth of years; and I am of the opinion that if this missionary work can be kept up, by the time our convention meets in 1903 we shall have the most of the dealers in the State that are worth having as members. In view of the prosperity we are now enjoying, it is a question whether we can fully realize the necessity of an association, but when the reaction comes, as it is sure to, when the manufacturer and jobber begin to reach out for the trade that properly should be the retailers, all can readily see what our organization can do to check this illegitimate competition. However, to the member who is a close student of events, it is apparent that with the membership and resources at our command the results have been worthy of our efforts.

When was there a time when the members of this association were shown the respect and consideration by the people of whom they buy goods that they are at present? Can any one remember a time when any manufacturer was as anxious to cause the retailer to believe that he did not cater to the catalogue house and department store trade as now? While these results have more than compensated the membership for the time and money expended in association work, yet we must not lose sight of the social pleasures and broadening influence of our annual meeting. Were there no other objects to be gained, these alone would, in my opinion, pay the intelligent dealer many times for his expenditure. If this work continues along the lines that are dictated by experience, with the cooperation of the National Association, it will not be long before the staple brands of goods will be found only in the hands of the retailer.

While we still have the catalogue house and the department store competition, yet much relief is in sight, in the fact that makers of some of the standard lines have assured our officers that this class of dealers will not sell their lines in the future; while others who are not willing to go so far, have assured us that if they sell these people, they will bind them by contracts not to sell the goods below certain prices. In striving to alter conditions that now make this class of establishments popular, would it not be well to, in some way, stimulate the efforts of the noble societies that are in many cities endeavoring to punish the violation of the child labor law, the iniquities of the sweat-shops, and to ameliorate the condition of those who labor for insufficient salaries, that high salaries may be given to managers and low prices given to the public?

During the year the work of the secretary's office has been done with an unusual efficiency, energy and enthusiasm. At all times Secretary Lott promptly responded to calls upon his time and finances to forward the interests of this association and deserves the thanks and kindly consideration of every member. On occasions he has visited other cities to talk and work for our increase, and in such instances with marked success, as his report will show. Your executive committee has had but one meeting during the year, December 11, in this city, but through the year have been of inestimable value to me by their letters on subjects submitted to them for their judgment. They have shown patience, forethought and ability in the conduct of their duties, and I would bespeak for them your kindly consideration. The individual members with whom I have come in contact during the year have treated me with such kindness that it is worthy of mention here. The brotherly feeling of the membership at this time augurs well for our future, and I trust will labor for its continuance and extension.

President Cormick's address was listened to attentively, many points made being received with hearty applause.

Secretary G. R. Lott then presented his report, which is substantially as follows:

#### SECRETARY'S REPORT.

The collection of annual dues was about the first thing undertaken and has not been quite completed at the present time, although the list of delinquents has dwindled down to about fifteen. The amount owing has in every case been small, and probably considered of not great importance by some of our members, as the process of collecting annual dues has been slow and laborious. Three or four statements were sent out to those who had not yet paid their dues, and finally upon order of your executive committee your secretary made sight drafts on members, resulting in nine being honored and seven returned, the members refusing to pay the same.

The entire Hardware trade of the State has been communicated with by mail from this office several times during the year. The members of the association have received a number of official communications besides the regular quarterly bulletin of the National Retail Hardware Dealers' Association, informing them of what was being done. Early in the year a grievance was presented by one of our members in Pekin against a certain bicycle manufacturing concern. This matter was taken up with the manufacturer and satisfactorily adjusted without any difficulty. Later on a grievance was received from one of our new members of Springfield against a manufacturer of gasoline stoves. Your secretary was unable to adjust this matter. In fact, it was turned over to the grievance committee for consideration and adjustment if possible. This committee has not reported to the secretary's office, but I presume it still has the question pending.

The money necessary to successfully finance the association for the ensuing year should receive proper consideration before we adjourn. It has not been the policy of this association to accumulate money in the treasury. The officers upon whom the management has been shouldered for the past year have cheerfully performed their duties regardless of what the loss to them amounted before the expiration of their terms of office. In all new organizations similar to ours such experience must be had, but sooner or later we must place the business management of this association on a more solid foundation.

Under present laws we have no good form of procedure in suspending members who are in arrears. I would suggest that we frame a new article setting forth the manner of suspension where a person fails to pay his annual dues. As we stand at present, we have members who paid their dues when they originally signed their applications for membership and have not paid one cent into the treasury since. These parties are receiving all the benefits of the association just the same as though they were fully paid up. The officers have not the power to cancel such members. These delinquents may possibly have good intentions, and may want to pay their indebtedness at a future time.

#### BOOK OF PROCEEDINGS.

Our executive committee met in December, and considered various matters before this association, among which we considered a proposition of issuing an illustrated book of the proceedings of our annual meeting, embodying in the same advertisements of the various Hardware and stove manufacturers and jobbers. Your secretary was instructed to obtain more information on this subject from those who had issued similar books. Some associations have handled the entire matter themselves, and found it very laborious work. Others have contracted with persons in that line of business, and have let the contract to these outside parties, receiving a percentage of the net profit as their share.

| MEMBERSHIP REPORT.  Membership at last annual meeting            |
|------------------------------------------------------------------|
| Total                                                            |
| Leaving a balance of                                             |
| Total membership                                                 |
| Balance on hand as per last annual report \$88.21 Received since |
| Total                                                            |
| Leaving balance on hand                                          |

Secretary Lott's report was received with every demonstration of approval.

Treasurer F. F. Porter, of Chicago, then read his report, showing the amount on hand February 19, 1901, to be \$401. During the year receipts had been \$854, expenditures \$654.35, which left a balance on hand of \$199.65.

M. L. Corey, secretary of the National Retail Hardware Dealers' Association, was then introduced by President Cormick, who referred to him as an able and conscientious worker, who represented the dealers individually. Mr. Corey then addressed the convention at considerable length on the work he had accomplished in building up the retail associations, and predicted good results from the future work of the National Association.

The secretary read a letter which had been received from Robert F. Bell, of the Texas Association, covering several points of interest that he deemed it advisable all the associations should harmoniously entertain and do their best to accomplish the work suggested. Some discussion followed the reading of the latter, which resulted in it being the sense of the convention that more could be accomplished, especially upon such matters as referred to Governmental measures, like the parcels post bill, which confirmed a portion of the suggestions contained in Mr. Bell's letter, by using the proper influence through the members of Congress in the several Congressional districts where the dealers resided. Mr. Fahey, of Decatur, said: "It is the duty of the Illinois Retail Hardware Dealers' Association to go on record against the parcels post bill, which is an injury to every dealer in Illinois. It brings matters to the door of every house. Dealers should not support Congressmen who vote in favor of this law, and should let them know their opinion of this piece of proposed legislation."

This seemed to be the sense of the convention after discussion. On motion, the letter from Mr. Bell was referred to the Committee on Resolutions.

H. C. Peppler, of Chicago, then read a paper on "Co-operative Buying and How it is Working in the Chicago Retail Association," which proved to be a very interesting subject for the convention, and was listened to with a great deal of pleasure. We make several extracts from this paper:

CO-OPERATIVE BUYING AND HOW IT IS WORKING IN THE CHICAGO RETAIL HARDWARE ASSOCIATION.

The organization of retailers, and I may state right here that the Hardwaremen are in the front ranks in the movement, into local, State and National associations is a step in the evolution of a readjustment of conditions that are changing. Concerted action was evidently needed when individual efforts had been in vain, and there can be no doubt of the fact that the work is slowly bearing fruit. It has thrown down the barriers of competitive enmity, and established a fraternal feeling of good fellowship between dealers who, in the meetings, really became aware of the fact that the outside encroachments they had to contend with as a body amounted more to each one than the competition of his neighboring dealer.

CO-OPERATIVE BUYING.

It was with perhaps a hazy idea of the importance of the work that the Chicago Association first took up the plan of buying together. It has, so to speak, developed itself until its effects are farther reaching than the casual observer would suspect. For instance, a few years ago, when the department stores began to loom up, a towering menace to the smaller dealers, and the best of us could hardly take other than a pessimistic view of the matter, in the conviction that we would all be crowded out, we had no argument to offer. People seemed to come and trade with us more as a neighborly favor than anything else. If they did not say it in so many words one could almost read the thought in their faces, that the downtown stores, buying, as they did, in immense quantities, could sell cheaper than we, but, as we did pretty well for little fellows, they would sacrifice a little for our sake. Let them come now, and we can make a convincing statement, when we tell them that we belong to an association of Hardware merchants who buy their goods in a lump,

and thus get the best price that the market affords. Before they leave us we have started the wheel spinning in our favor. Ten chances to one in talking with friends they will hit on this very theme during the conversation.

#### INCREASES CONFIDENCE IN PRICES.

Furthermore, co-operative buying gives each individual member greater confidence in his prices. He knows that his neighbor and his neighbor's neighbor all pay the same price that he does, and that the price must be just about right, because it was obtained in the open market in fair competition. He can, therefore, ask a fair profit and stick to it, without the fear that he may have paid more than the market value for the article, in case a customer came in quoting some catch ad. price.

It has taken most earnest and painstaking efforts on the part of past workers to bring the system to where it now is, in the Chicago Association, and it hardly receives the concerted support that it should even yet; neither is the whole matter handled with the discretion that should be given it by the individual members. Manufacturers will always be chary about giving out prices and concessions, only to have the same made public property of. All merchants should be aware of this fact, but it will require a whole lot of coaching yet before some of our members learn the value of prudence in this respect.

At the close of the reading of Mr. Peppler's paper, Mr. McLaughlin asked Mr. Porter, the treasurer, whether he was able to state the amount of money he had saved during the past year by the co-operative buying plan, and the amount of goods that had been bought in this way. Mr. Porter said that during the past year the association had bought \$16,000 worth of goods which could be definitely traced, and on these goods the members of the association had saved from \$3,500 to \$3,700. Besides this, \$16,000 worth of many goods had been delivered directly to dealers by manufacturers and were impossible to follow up.

Z. T. Miller, of Bloomington, was next called on, and he read the following paper on a prophetic subject of which we give a part:

#### WHAT OF THE FUTURE?

At the beginning of the century just closed, when town streets were so dimly lighted with common street lamps that watchmen had to patrol the streets to insure safety to pedestrians between the lamps, when competent time pieces were a scarcity and daily forecasts of weather from Government signal stations were undreamed of, watchmen cried out the hour of the night and the condition of sky and weather. In those days early morning papers containing 3 a. m. news were not looked for at the front door before breakfast, and it was not an uncommon occurrence in the passing of more than ordinary events for some one to call from open door or window: "Watchman, what of the night?"

#### PROGRESS OF THE CENTURY.

Since that time we have passed from the sickle to the grain cradle, from the grain cradle to reaper, and from reaper to binder. From the lumbering stage coach, the emigrant wagon and the schooner wagon freight trains to the steam railway; from the messenger rider to telegraphy, from slow communication to instantaneous telephonic transmission.

From the country pack peddler to the cross-road store; from the cross-road store to rivalry in business; from friendly rivalry to ruinous competition and a struggle for supremacy in trade.

From the small individual forge to the stock company furnace and rolling mill; from the single stock company enterprise to competitive evils, and from these evils to a pooling of interests, and from a pooling of interests to syndicate ownership.

#### WHAT OF THE FUTURE?

So great was the surprise of every new departure in commerce, and industry, and science, wonderful in their conception, radical in the changes they wrought, so rapid their introduction and so dangerous the economic features associated with some of them, that to-day, with every human energy aroused to duty, and every ambition stimulated by the accomplishments and experiences of the most progressive age in history to continue the march of civilization, we enter upon the duties of the new century with more than colonial-like interest in "What of the night?" and seek to penetrate the darkness for some answer to the thought: "What of the future?"

NEGLIGENCE OF OUR FOREFATHERS.

The flight of time has brought with it overwhelming evidence that the evils feared from the mechanical features of industrial improvement were totally unfounded. If our forefathers had realized the real elements of danger underlying public franchises and had made as great efforts toward incorporating measures preventing the abuse of economic equities by the corporate bodies they created as they did to prevent the mechanical operation of these enterprises, the savings to labor and the Government during the past forty years would be almost beyond computation. Many of the millions of dollars now concentrated into the hands of the few would still be in the pockets of those who produced them, and the spectre of their errors would not haunt and distress society of to-day. The environments of our forefathers, however, put them beyond the pale of serious censure; but we, living in an age of universal education, extensive faciliwe, nying in an age of universal education, extensive facilities for research and investigation, enabled to profit by the experiences of the past, knowing the force of public sentiment in the shaping of our public policies and the better advantage of concentrated effort, are amenable to a stricter censure for the perpetuation of false political economics under which hundreds of millions of dollars are annually artificially proported on families and the state of the sta ficially perverted or forcibly extorted from the producer by these legalized corporations.

#### THE GREATEST DISTURBING ELEMENTS.

Industrial corporations, whether under the name of railroad, or trust, or syndicate, are, without question, the greatest disturbing element in the economic fabric of to-day. have been denounced by some orators, seemingly, without regard to circumstances, or condition, or definite delineation of -the known quantity from which the remedy for the injuryevil they work must evolve.

They have been supported by others with every imaginable and some almost unimaginable—theories of economic evo-They have presented them under the guise of every fruit deriving from the mechanical operation of industrial enterprise, according to their respective purposes, and even socialistic leaders point to them as the twentieth century "John in the Wilderness," proclaiming the near approach of their dreams—a social millenium.

Mr. Miller's address was listened to attentively, and was regarded as being of great interest to the members. convention then took a recess until 8 o'clock, when the meeting was opened to representatives of wholesale houses.

#### THURSDAY MORNING SESSION.

The convention was called to order at 10 a. m. by President Cormick. There were about 150 delegates present, and about 25 new members were received.

L. H. Clark, of Rockford, read an interesting paper on "Local Associations, describing in detail the workings of the Rockford Association. We make several extracts from this address, which was a very practical one, and met the approval of the delegates, the opinion generally prevailing that local associations for the purpose of controlling credits, etc., could be established in all towns and cities to advantage. He spoke substantially as follows:

#### LOCAL ASSOCIATIONS.

Our local association has been in existence but two years, and yet within this period a decided change has been effected in our trade conditions, and this change is due almost entirely to the efforts of our organization. Primarily the main efforts were directed towards an arrangement of reasonable prices upon the various staple lines. From that it has gradually broadened in other directions, and not least to be noted of these is the social feature. The friendly attitude of one dealer for his fellow tradesman has grown rapidly, and a curious fact, but true, nevertheless, is that one feels less keenly a sale lost to a competitor, when one is positive that this competitor is getting a good price for his merchandise

The meetings of our organization are held monthly, unless especially convened, and at these meetings trade conditions are discussed, prices arranged to conform with the markets, and methods are adjusted. Following the meeting, a schedule of prices is prepared by the secretary, and a copy of such schedule is mailed to each member, to be posted for reference and maintenance. The new prices go into effect twenty-four hours after such schedule is adopted.

We have used our organization, too, as an aid in our buying, pooling our orders in certain lines, and thus getting quantity rates that the average individual retail dealer would



not be entitled to. Early closing hours have been established, and all the legal holidays are carefully observed, and our places of business are closed throughout the entire day upon such occasions; and at the present time we are working towards a credit system, whereby we may protect ourselves from the accumulation of bad accounts.

So satisfactory has our local association been in every respect, so much has it done for the individual firm, and so harmonious a condition has it engendered among the members of the trade, that should it become necessary for its maintainance, there is not one of our members but would gladly pay ten times the present yearly dues, rather than see its dissolution.

D. McLaughlin, of Chicago, was next called on, and he read an interesting paper on "Paints" in which he advocated the advantages of handling this valuable line in connection with a successful Hardware business.

An interesting paper on "The benefits of Our Association" was next read by W. T. Gormley, the paper being fully appreciated and meeting with cordial approval.

Discussion among the delegates followed, after which adjournment took place until afternoon.

#### THURSDAY AFTERNOON SESSION.

The Thursday afternoon session was called to order by President Cormick at 2 o'clock, the program being opened with an entertaining philosophical paper by Charles H. Williams, of Powers & Williams, Streator, on the subject of "Mental Equanimity," from which we make a few brief extracts:

When we consider that the best part of our lives is to be devoted to business, we cannot study too carefully how we may make it pleasant as well as profitable. Anyone can attend to a customer's wants when he comes in with a satisfied feeling, and all is serene, but when he comes with a complaint, with his blood riled over some real or fancied grievance, or with the determination to secure a settlement unfair to the dealer, then it is that there is needed the most cool-headed, cool-blooded management. Everybody gets unreasonable sometimes, and upon the way he is handled, when in the vernacular of the day "he had a kick coming," often hinges all future dealings with him. Property and friendship are strengthened, and the town filled with living, walking advertisements improperly, and often lifelong enemies are created. Aside from the profitable side of it, the pleasure of doing business can be greatly augmented by cultivating mental serenity and avoiding mental strain and worry.

I do not mean to be weak and easily imposed upon. Back of all diplomacy and liberal-mindedness of making concessions and allowances, when all other means fail, have a fixidity of purpose, without a bit of passion, to fight for your rights regardless of cost. Don't, however, work and walk the floor nights—make the other fellow do that.

Treat each commercial traveler as you would want to be treated if you were in his place, and it may cost you some evenings of hard work that otherwise might have been finished in the afternoon—but the fact of knowing that you have been a gentleman to each one soliciting your patronage strengthens one in his dealings with his own customers.

I doubt if in any other kind of retailing there is such a mass of detail, both in buying and selling, as in Hardware business. It all tends to bring on nervousness and the attendant disease, crankiness, the most expensive disease a business man can acquire. The means of avoiding these conditions lie within the individual. He should cultivate the society of the successful and the optimistic, and avoid the pessimistic. He should read the writings of cheerful philosophers; realize that the mind must have rest; that while American push is a good thing, thousands on the dead run are wasting the opportunities around them through not stopping to think; that worry weakens and that tension is energy going to waste; that a certain amount of mental relaxation and reverie is the best stimulant for the emergency to follow.

It is often asked why a large proportion of highly educated men fail in business, while the man of lesser educational opportunities succeeds. A plausible explanation is, that the one constantly overtaxes his mind, while the other has learned to rest his and be ready to grasp the business opportunities as they occur.

The committee on resolutions then made a full report, which concluded with the following among other resolutions:

Resolved, That it is the sense of this association that much good will be accomplished by a joint meeting between a committee representing the manufacturers of builders' Hardware and the National Retail Dealers' Association, and we therefore earnestly appeal to the National Retail Hardware Dealers' Association to make the necessary arrangements for such a conference.

D. McLaughlin, chairman of the committee on nominations, made the following report:

#### ELECTION OF OFFICERS.

President—H. G. Cormick, Centralia.

Vice-President-D. Holder, Bloomington.

Secretary-L. H. Clark, Rockford.

Treasurer-F. F. Porter, Chicago.

Executive Committee—H. G. Cormick, Centralia; D. Holder, Bloomington; L. H. Clark, Rockford; F. F. Porter, Chicago; Z. T. Miller, Bloomington; W. T. Gormley, Chicago; H. N. Murphy, Galesburg; Charles Mauer, East St. Louis; R. G. Scheurer, Vandalia; F. W. Siecke, Freeport.

Investigating Committee—G. F. Lott, Chicago; F. Geesing, East St. Louis; L. M. Reeves, Peoria; M. Fahey, Decatur; J. Seeman, Greenfield.

Legislative Committee—W. Gormley, Chicago; D. Refior, Ottawa; D. W. Zumbrock, Springfield; H. T. Bogby, Tuscola; J. A. Hunter, Peoria.

Bloomington was selected as the next place of meeting.

The report of the Finance and Auditing Committee showed that they had examined the books of the secretary and treasurer and found them correct, and continued:

There are something like 1,500 Hardware firms in the State of Illinois who are as yet not enrolled as members in our association, and for the purpose of securing as many additional members, this committee suggests that the chair be instructed to apportion the State into eight districts, more or less, as he deems advisable, and to appoint a solicitor or captain of each district to solicit eligible members to the State association, and for compensation to receive the amount of the fees of each subscriber enrolled.

We also recommend that the official manual of the National Retail Hardware Dealers' Association, together with all advertisements which will be contained in a similar edition, be printed under the direct supervision of the national officers.

#### QUESTION BOX.

At the conclusion of some miscellaneous business, the Question Box was taken up. Among the questions proposed by the delegates were the following:

- 1. Should a retail merchant solicit trade in other towns than his own?
- 2. Is glass a legitimate addition to a retail Hardware store, and what per cent of the trade handles it?
- 3. Should we not make an especial effort to induce jobbers to refrain from selling catalogue houses and department stores?
- 4. On the amount of yearly purchase, what percentage does it cost you to do business?
- 5. Do we favor the complicated manner of stove manufacturers in numbering and naming the stoves, to the detriment of our business in gaining correct name and number for our customers in getting correct repairs?
- 6. Has anything been done in the way of inducing stove manufacturers to confine themselves to six and seven-inch collars?
- 7. Should dealers handle goods manufactured under special jobbers' brands in place of manufacturers' brands?
- 8. Is it right for outside dealers to give an agent orders for stoves or any other articles to his home town for himself or friends?

All of these questions were discussed by the delegates both pro and con. Among those who spoke on the subject were F. F. Porter, of Chicago; Martin Engelhardt, of Chicago, and H. G. Cormick, of Centralia.

The convention adjourned at 4:25 p. m. to meet at Bloomington on the call of the executive committee.

## MO. RETAIL STOVE & HDWE. DEALERS' ASSN.

The fourth annual meeting of the Missouri Retail Stove and Hardware Dealers' Association convened for a two days' session in St. Louis at the rooms of the Mercantile Club, on Tuesday morning, the 18th inst. Over sixty members were present.

#### TUESDAY MORNING SESSION.

President B. F. Naylor called the meeting to order at 10 o'clock, and after extending a welcome to the delegates, proceeded to read his annual address.

Secretary F. M. Neudorff, of St. Joseph, presented his annual report, in which he gave in detail the business attended to during the period that had elapsed since the last meeting.

An address was then delivered by Taylor Frier, of Louisiana, on "Association Loyalty," which proved to be an exceedingly interesting subject, and was listened to with commendable interest. We make a few extracts from the same, regretting our inability to make use of the entire address.

There is an old saying that "In Union there is strength," but if this be true, there must be a proportionate degree of strength in the unit, and no organization can be effective or accomplish its aim that does not possess in its units or individuals the quality or characteristic that produces the desired effect.

If there is any one charactertistic that we Americans, as a nation, take pride in, it is our loyalty—loyalty to country, to flag and the principles it stands for; and there is no accusation that so hurts a true man as to be accused of disloyalty, or of being false and unfaithful. But is it not true that sometimes, because of indifference or ignorance of existing conditions, or even because of our possible inherent selfishness, we appear to lack in our commercial life that element that is so vitally necessary, and that we so admire in other avenues of life—namely, loyalty?

This association stands for certain principles, and we retailers, who constitute its membership, cannot afford, from any cause, to be disloyal or untrue to those principles and its interests.

#### LOYALTY MEANS PERSONAL SACRIFICE.

Loyalty, like any other valuable commodity, usually costs something, and association loyalty may mean personal sacrifice of means and ease and time; but are we going to betray the trust placed upon us and be found wanting because we are afraid of that test of a good soldier or trade-mark of a faithful follower, endurance of hardship, or sacrifice?

## \* \* \* \* \* \* ASSOCIATION DEMANDS HEARTY CO-OPERATION.

But even though association loyalty may demand sacrifice, and does demand hearty co-operation and manly service, by upholding the constitution, which declared that "the manufacturers and jobbers who sell direct to the customer shall not enjoy the patronage of the retailers," does it not also promise abundant reward in the consciousness of duty well done; in the satisfaction that comes to every faithful, loyal spirit who gives his influence and service for the advancement and strengthening of any good cause? And further than this, while we cannot expect to revolutionize business methods in a day, we are certainly, though slowly, gaining ground and are constantly being benefited through association channels; and as we all together stand for right and justice and the establishment of a legitimate dealing in the distribution of Stoves, Hardware, etc., we are bound to accomplish that which we could never have done individually, and which will be of great material benefit to each dealer; and, standing shoulder to shoulder, fighting a common enemy, we will unconsciously, but surely, be brought closer together, and thus, becoming more helpful to one another, we will take our place in the great brotherhood of man. And who can measure the power of the retailer, thus amalgamated for protection and action?

A call was made for the paper of August Steinmeier, of St. Louis, on "Is Co-operation Buying Practical?" which

was on the program for early delivery, but after consideration it was decided to permit this to be presented at a later session.

An extract from the president's report of the National Hardware Association was requested by a vote of the members to be read.

The chair then referred to the subject of the banquet, which was planned in honor of the visitors, and in a brief speech thanked the Association for the honor, expressing the regret, however, that it had been planned, as he felt the visiting delegates were not brought together for entertainment and pleasure, but for hard work, and he was very much afraid that their minds might become distracted from the real object of the convention by an excess of hospitality. He was followed by J. W. Poland, of Carrollton, who also spoke to similar effect. A. F. Geschwinder and F. A. Kansteiner replied to the remarks of the two gentlemen who had just been heard, in a happy and pleasant manner, saying that the plans having been carefully arranged for this event, the local association could not possibly consider the convention complete in all its details without this banquet taking place, as they felt it served to make friendship more lasting and stronger to meet as they would about the festive board.

Taylor Frier proposed that a special invitation be extended for new members. He was followed by J. W. Poland, who also advocated promptness and strict attendance to the sessions during the convention, urging upon the members present not to fail to take an active interest in the general proceedings. The chair fully indorsed these remarks, and hoped that the best results would follow.

Mr. Best, of Palmyra, made a motion that a committee to amend the by-laws be appointed, which motion was carried. The chair named as the committee Messrs. Best, Poland and Kansteiner. Mr. Best then spoke of previous methods of work, and urged that in the future more unity of purpose be contemplated, together with a higher plane of action. After a few more remarks by the president and the various committees on their work, adjournment was taken until 2 p. m.

#### TUESDAY AFTERNOON SESSION.

The convention was called to order at 2.30. An informal discussion followed, in which Frank Mayer, of Macon, and O. W. Johnson, of Marshall, participated. A paper on "The Evolution of the Hardware Business," which proved to be an exceedingly interesting reminiscent review of the evolution of the Hardware business from 1850 to 1901, written by William Kansteiner, of Hannibal, was read by F. A. Kansteiner, of St. Louis. Not desiring to give this interesting address in extracts, we reserve it for publication in full in a future issue of *Hardware*.

The next order of business was the Question Box, which a number of delegates assisted in making of an interesting character. A number of the members present were called upon by the chair for remarks, but from lack of preparation the invitation was in most instances declined.

P. E. Harney, ex-president of the Association, being present, was called upon, and gave a very interesting talk on the manifold benefits to be derived from proper organization. He spoke of the general character and class of buyers that all Hardwaremen have to deal with, and called attention to the disastrous results which spring from the cutting of prices, and how they could be prevented, if only systematic co-operation could be brought about by a more general interest and a more general membership in the present organization.

Chairman Best, of the committee on the revision of the by-laws, was asked for a report, but requested that it be deferred until Wednesday.

The subject of co-operative insurance being brought before the convention, J. M. Kenyon, of Maitland, was introduced, and in a brief address gave considerable information in connection with the Western Retail Implement and Vehicle Dealers Underwriters' Association, of which he was a member, stating that this organization was in a most satisfactory working condition, and he personally gave his endorsement to the fact that a great saving in the matter of his insurance account had resulted. F. A. Kansteiner proposed that the secretary be instructed to send notices to different members asking them if they would be in favor of organizing a Missouri Association for the purposes of co-operative insurance. Considerable doubt was expressed by one or more of the members whether a company could be formed successfully unless it had a backing of at least 200 merchants.

F. B. Haus made a plea for greater vigor in the matter of organization. He gave his views having reference to the enrollment of dealers throughout the State, and said if they will not enroll through the ordinary means of invitation by mail, personal solicitation should be employed in order to get them into line. In this manner the advantages and benefits that would come directly to them from membership in the Association could be more consistently pointed out, and made effective.

A brief address was made by R. W. Shapleigh, of the Norvell-Shapleigh Hardware Co., of St. Louis, and expresident of the National Hardware Association. While he mentioned that he had no regular paper prepared, he said he was well pleased to find so many representatives of the retail dealers of Missouri present, and made a brief address in favor of bringing together all the dealers in the State to discuss methods beneficial to all concerned. He expressed the opinion of the jobbing fraternity that great friendship was invariably felt by wholesalers for organization of this kind, as it enabled the dealers to form a closer and greater friendship for a much higher state of business morality, which results in much more favorable profits, less cutting of prices, and too many advantages in many other ways to be neglected. He extended a hearty welcome to those present, and stated it was their desire to have their stay as pleasant as possible, and their visit to St. Louis on this occasion a profitable one.

Discussion followed as to the best methods of reaching the dealers of the State in order to have them join the Association, and on that particular subject several of the leading delegates participated. J. F. Bannon, of St. Louis, in a brief speech urged that more interest be manifested in the work, and that the necessity for co-operation should be urged upon the members, believing that if the members came together for specified work success would undoubtedly follow. He argued that the Missouri Association started under the most auspicious circumstances, and that it was bound to increase in numbers and be successful in its efforts.

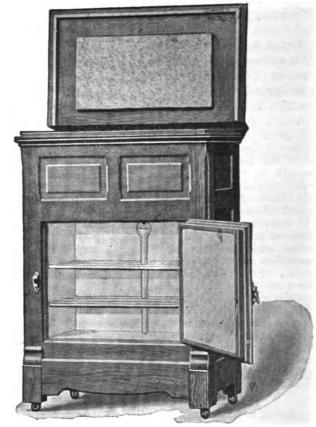
'Mr. Barclay, of the St. Louis Credit Men's Association, then read an important paper, which we regret our inability to give in this issue.

The convention then adjourned to meet later in executive session, the evening being devoted to the banquet to which reference was made in the early part of the convention.

#### Cooper & McKee's Refrigerators.

Cooper & McKee, 113-121 Gwinnett Street, Brooklyn, N. Y., have just issued their most important catalogue of their production of refrigerators and ice chests for the season of 1902. It is fully illustrated and complete in every respect. In it the place of honor is given to their glass-lined refrigerators which were first brought out last season, and

which, the manufacturers state, have proved an unqualified success. These refrigerators have been used extensively in hotels, restaurants and high-class apartment and private houses in the Metropolitan district and also in the cities of the Northern, Eastern, Middle and Southern States with entire satisfaction. The makers claim that these goods represent the acme of high-grade hygienic refrigerators, embodying all the important improvements modern science has devised. They are made of the finest materials. The warm and cold air flues are so arranged that a dry, cold, pure air is always in circulation and the food compartment with its doors is lined with 7-16-inch polished plate glass, all glass being set to glass, with ground edges, so that there is no metal or other material in corners to rust or deteriorate. The



GLASS LINED REFRIGERATOR.

shelving is of aluminum, which will not rust, corrode or tarnish. Cuts of these glass-lined refrigerators in natural colors are presented. They are made in nine sizes and styles.

The new Columbia refrigerators form another leading line to which special attention is directed. Both these lines of refrigerators are filled with "Neptune insulation," which, from its composition, is claimed to lessen compression, increase the storage of dead air and give additional insulation. They are also equipped with the company's new patent siphon, made of heavy japanned cast iron, screwed to the bottom of the refrigerator and so balanced that it is always in position and cannot fall off. Other goods illustrated and described in the present catalogue are Champion hard wood refrigerators, Household refrigerators, refrigerators specially designed for flats and apartment houses, also for delicatessens and restaurants, New Domestic refrigerators and ice chests, grocers' refrigerators and refrigerators for nursery use.

On account of the prevalence of small pox in Des Moines, the City Council deemed it advisable to close all churches and theatres in the city and prohibit public gatherings. In consequence of this state of affairs, the convention of the Iowa Retail Hardware Dealers' Association, which was to have taken place at the Kirkwood Hotel on February 18, 19 and 20, has been postponed.

## WISCONSIN RETAIL HARDWARE ASSN.

The sixth annual convention of the Wisconsin Retail Hardware Association, held at the Republican House, Milwaukee, on the 5th and 6th inst., was the largest and most important convention in its history, there being upwards of 170 dealers present.

#### OPENING SESSION.

The opening session of the convention was held on Wednesday afternoon, over 100 members responding to the roll call. The minutes of the last annual meeting were read, which was followed by the president, John Hessel, of Antigo, delivering his annual address, which we published almost complete in our last issue. Committees were appointed on Transportation, Grievances, Reception, Legislation, Auditing, Question Box and Press.

Secretary C. A. Peck, of Berlin, then delivered his report, which we printed in full in our previous issue. Treasurer George Leverenz, of New Holstein, read his report, which showed a balance on hand of \$1,078.15. The reports of the secretary and treasurer were referred to the Auditing Committee.

In accordance with the printed program, Fred Kusel, of Watertown, was to have delivered a paper on "How to Build Up a Good Retail Business," but he was reported ill and unable to be present.

The report of the committee on the revision of the constitution and by-laws being called for, Vice-president O. P. Schlafer, of Appleton, read the report of his committee, followed by the reading of the revised constitution, which was adopted section by section, one of the important changes being the consolidation of the offices of secretary and treasurer. An additional change, favorably commented upon by the delegates, was that which permanently provided for the holding of the annual meetings at Milwaukee.

The election of officers should have followed, being on the program for Wednesday afternoon, but on motion it was postponed until Thursday morning. The Question Box being announced as ready for questions from the delegates present, the following interesting questions were furnished by those present:

When will traveling men cease to spread their samples on top of a nice japanned reservoir?

Is it advisable in towns of less than 1,000 population to push the sale of hot air furnaces instead of heating stoves?

How can we best get our sons interested in the Hardware business with us?

Is there any reason why we should not form an insurance association in Wisconsin?

What size of squaring machine is best to buy for a country shop?

What is a good pointer for a remittance blank?

Why are the retailers obliged to carry freight on stoves until the invoices are paid?

How many have seen a window glass list from manufacturers to jobbers?

How can you tell how much you make each day as a merchant?

Mr. Peck explained his method. He keeps a cash book and puts down every sale, at the same time putting down the cost in another column. At night the difference between the two columns shows the profit. This is open to the criticism that clerks, of course, must know what the goods cost.

#### THURSDAY MORNING SESSION.

Immediately upon convening the election of officers was

taken up. As no Committee on Nominations had been appointed, it was decided advisable to make nominations from the floor. There was practically no contest for any of the officers, so a single ballot served to record the will of the convention, which resulted as follows:

PRESIDENT, O. P. Schlafer, Appleton.

VICE-PRESIDENT, Leonard Findeisen, Green Bay.

SECRETARY-TREASURER, C. A. Peck, Berlin.

EXECUTIVE COMMITTEE: J. Kornely, Milwaukee, and E. H. Ramm, New London, each for two years; Andrew Noll, Chilton, and H. L. McNamara, Janesville, each for one year.

The Question Box discussion was again taken up, and the following questions were added:

How can we protect our interests against employes not true to our interests?

Do you pay for goods that come damaged and you do not accept?

What is the best way to mark the cost of goods? Do you add selling expense, and if so, what percentage of cost?

Ought the retailers buy goods of the jobber or manufacturer who also drums the local retail trade?

All of these questions when presented resulted in more or less discussion by the members present, varied in character, and from which considerable information was gained. The question of "Ought the retailer buy goods of the jobber or manufacturer who also drums the local retail trade?" brought out for reply an extremely unanimous "no."

#### INTERSTATE COMMERCE.

E. P. Bacon, former president of the Milwaukee Chamber of Commerce, addressed the convention, urging action to be taken in support of national legislation which should confer on the Interstate Commerce Commission such authority as would enable it to carry the purpose of the act creating it. Mr. Bacon was given a vote of thanks at the conclusion of his address.

#### NATIONAL RETAIL HARDWARE DEALERS' ASSOCIATION.

A verbal report was then made by President Schlafer having reference to the meeting of the National Association in Chicago last March, which he attended as delegate, and considerable interesting information was communicated to the convention relative to the practical work being done, and the desirable results accomplished by the National body. M. L. Corey, of Argos, Ind., secretary of the National Retail Hardware Dealers' Association, being present, was introduced, and he took the opportunity of making an extremely interesting address on the subject of the work of his association, submitting what were considered strong arguments in favor of the Wisconsin Association taking an active part in the affairs of the National body. The address by Mr. Corey resulted in a number of members speaking in favor of the work of the National Association, and on motion, a standing vote was taken on the question of joining, the convention voting unanimously in favor of such action.

#### PRESIDENT SCHLAFER RETURNS THANKS.

President Schlafer not having had, as he claimed, opportunity previously to thank the association for the honor conferred upon him in electing him president, addressed the convention, and made a very enjoyable speech, in which he showed not only his appreciation of the honor, but also his appreciation of the fact that a deep responsibility appertained to the position, and he earnestly urged all the members present to assist him in advancing the honorable objects for which they are united.

Mr. Tietjen made a brief speech in favor of the employment of an organizer to be specially engaged in organizing local associations. He stated as his opinion there were some towns where the local merchants not being on good terms with one another, it was difficult to bring about the co-operation of the dealers in a matter so essential to their future prosperity. He thought a disinterested person could more readily harmonize their views and succeed in adding them to the members of the association. The matter of appointing an organizer was, however, left over for the present.

#### THURSDAY AFTERNOON SESSION.

The secretary read a communication dated January 31, received from Robert F. Bell, Weatherford, Texas, the secretary-treasurer of the Texas Hardware Jobbers' Association, in which he called attention to a number of questions that were being agitated by the retailers and wholesalers, which he hoped the present convention would take into consideration, the settling of which Secretary Corey, of the National Association, affirmed could be more easily accomplished by bringing personal influence to bear upon the Congressmen from each man's own Congressional district.

H. L. McNamara then read an interesting paper on "The Relations of Traveling Men to Retailers," from which we make the following extracts:

THE TRAVELING SALESMAN IN RELATION TO THE RETAILER.

The traveling salesman stands in several relations to the retailer, and not the least important of these would seem to be his friendship for him in giving him every point of advantage. As a rule there is a motive behind this too obvious to need mention. He is working for his own good while doing good to others, and certainly this is in accordance with good Christian doctrine. The house that employs the salesman doesn't think much of this doctrine, however. The house is apt to consider the doctrine quite unchristian, and sometimes harbors and even gives expression to rather un-Christian thoughts.

Aside from all pleasantries, however, the traveling salesman has one distinctive function to perform in his vocation, and this function is pre-eminently of an educational character. The traveling agent is an educator, and his most important and efficient work must lie in that direction.

To assume that the sales agent is sent out merely to be on hand when the retailer happens to be out of something would make of him just an errand boy, and to go a step further and say that he is sent out to keep competitors from monkeying with customers would still hardly justify the expense. To be sure, the expense is eventually borne by the retailer, and he in turn gets it out of the consumer. But the point is, couldn't the retailer send in his orders to the house, or any house, by mail, if it were simply a matter of ordering what he is out of, and save time and expense? Certainly he could. The agent then would have no particular office to perform.

The fact is, however, that the agent's business is not merely that of collector of orders for goods that the retailer is out of or that he needs for a season's supply. Left to himself, neither the retailer nor the consumer would ever change styles or enlarge the variety of purchases.

At the conclusion of the address, which was listened to with considerable interest, the secretary-treasurer was authorized on motion to pay the dues to the National Association out of the general fund.

Secretary Corey, of the National Association, stated that over a thousand letters had been written by the National Association on the subject of manufacturers and jobbers listing their goods to catalogue houses at prices which the retailers could meet. He deemed it to be impossible to prevent sales by manufacturers to catalogue houses, but that it was perfectly proper to ask that they place a restriction on the prices at which the goods are to be sold. This is a lawful transaction, and when a manufacturer makes a sale with such a stipulation it binds the party who buys from him not to sell under the stipulated price. The National Association is working with the Jobbers' Association to secure its co-operation with the retailers. The jobbers recognize the fact that all sales made by catalogue houses are an injury

to them, because the goods thus sold pass through neither the jobbers' nor the retailers' hands.

A general discussion then followed as to the manner in which the competition of catalogue houses could be met. It was generally agreed that if it was possible to see a consumer who was considering the purchase of goods from a catalogue house, it would be an easy matter to convince him that he could purchase the same class of goods from the local dealer at the same, and possibly a lower price, taking into consideration the freight and express charges. The only trouble is to know when parties are considering such purchases.

Secretary Peck then read a paper prepared by H. C. Scofield, of Sturgeon Bay, who was unable to be present. The paper was on the subject of "Care, Management and Display of Retail Hardware," and proved to be one of great interest to all the delegates present, it being a subject that no doubt had interested them individually on many occasions.

Mr. Scofield and Mr. McNamara were given a vote of thanks for their papers read before the convention, and the usual vote of thanks was also given to the retiring officers.

The president and secretary were elected delegates to attend the meeting of the National Association in Chicago on March 12.

Vice-President Findeisen then took the chair, as President Schlafer was obliged to retire to attend another engagement; the reports of committees were called for and the report of the Committee on Resolutions was adopted without dissent. The Auditing Committee reported that the books of the officers had been examined and found correct. The convention then adjourned sine die.

The attendance of the members displayed a greater amount of interest than any previous convention of the Association, as they were all apparently prepared to enter fully into the spirit of the occasion, and make full use of their opportunities. It was greatly to the advantage of the convention that they were able to have with them M. L. Corey, of Argos. Ind., because Mr. Corey is so full of the subject of the importance of the State Associations belonging to the National body, that he has no hesitation in making a forcible and influential address on an occasion like this having that object in view. Every effort was made to interest the delegates, invitations of all kinds being extended to them, which were cheerfully availed of, many jobbers and manufacturers contributing to this positive evidence of their belief in the advantages of conventions of this character. Many souvenirs were distributed by representatives of the manufacturers who were present, and the dealers found that preparations had been made in a number of instances for exhibits of the products of a number of manufacturing concerns, and by wholesale houses having representatives present, which made things pleasant for those in search of information regarding the goods displayed.

#### Keystone Wash Boiler Handle.

Berger Bros. Co., Philadelphia, are placing upon the market the Keystone Wash Boiler Handle, which we illustrate herewith. This handle is evidently a very strong one, and is fully guaranteed by the manufacturers. The metal



IMPROVED WASH BOILER HANDLE.

parts are handsomely tinned to prevent any possibility of rust, and the appearance of the boilers where these handles are used is very attractive. It has been deemed advisable to market these goods at a price which will be found quite low considering the high quality and fine finish. It is made in two styles, one for round and the other for square end boilers. Tinware manufacturers are invited to correspond with the company for further particulars, when, if desired, a free sample will be mailed for inspection.

## INDIANA RETAIL HARDWARE ASSOCIATION.

The third annual convention of the Indiana Retail Hardware Dealers Association was held at the Denison Hotel, Indianapolis, the opening session being called to order by President W. P. Lewis, of New Albany, at 11 a. m.

#### WEDNESDAY MORNING SESSION.

The president introduced Mayor Bookwalter of Indianapolis, who made a brief address of welcome to the delegates, which was responded to by the presiding officer. The president then appointed the following committees:

Committee on Press—E. C. Minus, Hammond; Mr. Price, of Marion; H. J. Trueblood, Washington.

Committee on Resolutions—E. E. Schenk, Mt. Vernon; W. L. Hubbard, Scottsburg; F. M. Smith, Ft. Wayne; W. A. Shipley, Lafayette.

Committee on Nominations—Chas. F. Boonshot, Petersburg; A. W. Smith, New Pass; T. M. Layne, Clovedale; Chas. B. Frame, North Manchester.

Auditing Committee—N. R. Stoner, Rochester; M. Meyer, Jr., Covington; M. P. McDaniels, Winchester.

Sergeant-at-Arms—A. H. Burkett, Gosport.

The meeting then adjourned until 2 p. m.

WEDNESDAY AFTERNOON SESSION.

President Lewis called the association to order at 2 p. m. This was followed by the delivery of the annual address by President W. P. Lewis, from which we make several selections:

#### PRESIDENT W. P. LEWIS' ADDRESS.

Wisdom has recently been defined as the ability to see large things large and small things small. There are men in the Hardware business in Indiana who, in the light of this definition, have wisdom. They see large things large and small things small; they are members of this State organization. I am zealous for our State association. It is already large, strong, active and intelligent. It has been forceful in its labors on the national field, but there are still many Hardwaremen who have not been aroused. When these men awaken and enroll their names, as they surely will, and take their place beside the loyal men who have given character to this movement, Indiana, the geographical center of this Union, will continue to stand, as she now stands, in the front rank, and will exert an influence that will sweep over the snow-lapped Rockies and be felt to the Western sea.

#### INFLUENCE OF ASSOCIATION WORK.

Few men, even in our own membership, comprehend the advancement we have made and the power of our association, State and National. These two are one and inseparable, and we shall so view them.

Association work is continuously a labor of education, manufacturers, jobbers and retailers alike being students in a great class of commercial equity.

#### THREE FUNDAMENTALS.

To develop strong and enduring organization there must be three fundamentals: 1, The principles for which we contend must be unassailable; 2, the leaders must be trained and diplomatic; 3, the membership must be energetic and cooperative. Concerning the first of these three, I am not a prophet and claim no prophetic ancestry, but I hazard the prediction that the time is not far distant when the principles for which we now contend so vigorously will be recognized as axioms, will be considered and admitted as matters of the plainest equity, and this will be brought about, not so much by the influence of trained leaders as by the co-operation of the membership. I am a believer in the greatness of the rank and file, particularly such rank and file as constitutes the membership of this body, every man being one accustomed to financial responsibility and to making decisions involving gain or loss.

Encouragement is in the air, Arkansas, Pennsylvania and

Wisconsin have joined the National, and others will follow soon. We have passed the period of uncertainty, the period of development is under way, the power and destiny of this movement is in our own hands, and when every man shall do his duty our progress will be an unchallenged march of peace.

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T. James Fernley, secretary-treasurer of the National Hardware Association, was on the program for an address, which he took pleasure in delivering. It was an address full of the most interesting matter on "Twentieth Century Conditions," and was listened to attentively by those present; he received considerable applause as his several good points were made in the usual characteristic manner. We are only able to give a portion of his address, but that will convey a very good idea of the subject dilated upon.

## ADDRESS OF T. JAMES FERNLEY, SECRETARY-TREASURER NATIONAL HARDWARE ASSOCIATION.

It gives me a great deal of pleasure to meet with you to-day as an official of the National Hardware Association of the United States, delegated by an organization composed of 185 of the leading jobbing houses of the country, employing about 2,500 salesmen, and doing a business of probably \$160,000,000 per annum, which business is done with the retail Hardwaremen of the United States—many of whom are now members of the State Retail Hardware organizations, and through these affiliations, members of that most vigorous body, the National Retail Hardware Dealers' Association of the United States.

I bring to you the best wishes of our organization, and the sincere hope that the retail Hardwaremen of the country will all realize the necessity of connecting themselves with organizations, through which means, it is admitted on all sides, benefits can be obtained and objects accomplished which could not be obtained through individual effort.

#### HARDWAREMEN'S QUALIFICATIONS.

You gentlemen are engaged in no mean vocation. I hold that the Hardwareman of the twentieth century is, and must be, a man of more than ordinary intelligence, and must possess knowledge of the business which can only be acquired through a course of instruction, which requires years of labor. Theologians, lawyers and physicians are prone to think that they are the only ones who require an education to successfully prepare themselves for the duties and responsibilities of life. In my opinion, the Hardware merchant should be educated from boyhood in everything that pertains to the conduct of the business. Indeed, I am not sure but that the law of the various States should insist upon an examination as to the qualification to conduct any given line of business before permitting any one to embark in it. We know that the theologian must pass an examination before being permitted to enter upon his profession. The lawyer must be examined by a board of men well versed in the law before he is recognized as a practitioner before the courts. The doctor must present his diploma certifying that he thoroughly understands the human anatomy and the diseases which may attack man, and how to prescribe remedies for treating the same.

#### THE NATURAL CHANNEL.

We hold in our National Hardware Association that the natural channel through which commerce in the Hardware line should pass is from the manufacturer to the jobber, and from the jobber to the retailer and from the retailer to the consumer; and that whenever any counter current crosses this legitimate one trouble ensues. We do not hesitate to state that we believe the jobber is in a much better position to serve the retailer than any manufacturer. We further state (and are in a position to prove) that the distribution of goods through the jobber is by far the most economical method. Indeed, I think you gentlemen will admit that it would hardly be possible to conduct a retail Hardware business to-day but for the fact that within a short distance, not over a few hours' time at the most, there is a central depot of supply upon which you can call for the wants of your customers on very short notice.

I would further call your attention to the fact that before the organization of the first retail Hardware dealers' association, the National Hardware Association of the United States was doing its utmost to prevent the inroads which were being made upon the retail Hardware business, by what we consider illegitimate competition, and while we have to a large extent been successful, yet, notwithstanding our efforts, these "quacks" in commerce have continued to grow, and the members of this association, as well as the members of the one I represent, have been the sufferers.

#### UP TO THE MANUFACTURER.

The remedy lies with the manufacturer. As long as he will recognize these people as entitled to consideration, they will continue to thrive. The jobber is compelled to carry such goods as his customers demand. However, when the manufacturer learns that he is losing caste with the twenty odd thousand retailers of the country, because he is selling 100 or 150 department stores and catalogue houses, he will be very apt to chance his tactics.

#### POWER OF RETAIL ASSOCIATION.

The power which you gentlemen possess is a great one. This organization and similar ones can be worth hundreds, and perhaps thousands, of dollars per annum to each individual member.

We are very much pleased to note the enthusiasm which seems to be attending all the meetings of retail associations during the past year. You have enjoyed individually a good share of prosperity, and there is every indication that this pleasing era will be lengthened. Eight months ago it was thought that possibly a much lower range of prices would prevail with the beginning of the year 1902. Such, however, is not the case. Leading manufacturers of many lines of goods are declining orders, and this in itself would indicate that your business will be good during this year. deserve to prosper.

The members of the National Hardware Association of the United States come to you with the offer of the power of their organization, to assist you in placing your business upon a plane which will make you the most happy and prosperous of merchants.

#### THURSDAY MORNING SESSION.

The secretary called the roll. This was followed by the reading of the report of the secretary, etc.

#### SECRETARY'S REPORT.

THE RETAILER'S TRUE FRIEND.

With few exceptions manufacturers and jobbers assure you to-day they want only the business of the retail Hardware dealers. Some write asking if we object to their selling certain parties or such and such a line of goods. Others who even one year ago were selling a dozen customers, handling different lines of goods in a town, have been kept so busy apologizing and explaining that they are becoming more careful in their dealings. Each claims he is the dealer's true friend and can prove it. Have you noticed it? The right spirit prevails. Let us encourage and insist upon it being maintained. Just as the evil grew upon us slowly, almost unnoticed, so the changes are slowly yet surely developing and the pressure is beginning to tell. Our plain duty is to be right and fair, and the future will show decided improved conditions.

#### WORK OF THE SECRETARY.

The work demanded of your secretary has increased manyfold. According to your instructions given me at last meeting, President Lewis' address was printed and mailed to 500 dealers, accompanied by a circular letter from the secretary. We have mailed over 2,500 letters and bulletins (the latter mostly upon request) during the year, and about 1,500 letters, programs, etc., to our members. This does not include bulletins or letters sent by the National.

We tried to secure new members entirely by mail, and while it is much less expensive the results are not so great, and it is our opinion that a personal visit is the best plan.

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I appreciate to the fullest extent the confidence, friend-ship and encouragement you have universally accorded me. In conclusion, I want to bring to your notice the active part your president has taken in this work. We have been in constant communication and never a semblance of discord or diverging opinion. His counsel has been wise and freely given—never a demand that he has not met nor a task that he has evaded.

And now, brothers, a few words as to our individual duty.

If you knew the thief was coming at the midnight hour you could prepare to successfully oppose him. If you knew nails would advance \$20 per ton to-morrow you could place your The professional deadbeat can go from store to store obtaining credit simply because you do not know he has already robbed your neighbor. Then one of the absolute necessities of successful work is a true knowledge of the sit-This must come from you personally. Every memuation. ber should report occasionally—it may be to send a circular, an advertisement, particulars of some swindle or departure. The accumulated reports furnish intelligent knowledge for successful work. Your secretary is no mind reader, he cannot afford the chances of taking a false position; then he looks to you and you alone for true, reliable information and co-operation and assistance.

#### PROUD OF ITS LEADER.

The Indiana Retail Hardware Dealers' Association has good reason for being proud of its leader. His elevation to the presidency of the National Hardware Association is a direct compliment to you. When we remember that he has not only met these duties so nobly and well, but has also found time to woo and win a most lovely wife, I am sure you will all join me in a hearty Godspeed and sincere wishes for his future welfare and happiness.

#### TREASURER'S REPORT.

The treasurer's report was read, showing a balance in the treasury of \$255.74, not including the money taken in during the sessions of the present meeting. The report of the treasurer was referred to the auditing committee. William Powell, of Commerce, read a paper on "Illegitimate Competition," which was received with interest by the assembled delegates.

A paper was read on "Window Display and the Art of Selling," by H. W. Beegle, of Rochester, N. Y., who treated the subject exhaustively and interested the delegates exceedingly.

An address was prepared by J. D. Warren, of Chicago, on the subject of

#### HARDWARE STORE ARRANGEMENT

which possessed considerable interest for the members, and as he was unable to be present on account of illness, the reading of it devolved upon the secretary.

H. P. Townley, of Terre Haute, held the attention of the convention during the delivery of an address on "Up-to-Date Hardware Advertising," which we reserve for a special article in an early issue of Hardware, it being full of good practical common sense, on an important subject.

#### THURSDAY AFTERNOON SESSION.

The session was called to order at 2 p. m. by the president Charles F. Shirley, of Orleans, was then introduced and addressed the association on the subject of "Indiscriminate Selling."

The auditing committee reported they had examined the books of the treasurer, and found them correct, which report was adopted. The report of the committee on resolutions then followed, which was unanimously adopted.

On motion, an additional allowance of \$50 was made to the secretary for his services during the past year. It was also adopted that the salary of the secretary for the ensuing year be made \$300. The nominating committee then reported as follows:

Mr. President and Gentlemen of the Association: I will say when I look into the faces of the dealers present and witness the enthusiastic interest that you have manifested in this meeting, I realize what a work has been accomplished; what an endless amount of stoking has been done to create the enthusiasm, and when I recognize Mr. Corey's ability as a stoker and a steam raiser and the enthusiasm he has manifested in this work, and when I see the dignity that our worthy president exercises in presiding at the meetings, and when I see the pleasant countenance of our vice-president always in evidence about here, yonder and everywhere, I realize that we have been so fortunate in our selection of officers that it will be a great detriment to this association to make a change at this time. (Applause.) Your committee have not only followed the inclinations of their own minds and ideas in this matter, but we have been careful to consult with many of you as to how you felt in the matter and without a dissenting voice the impression prevailed that we should continue this board of officers for another year. Therefore, in current with this feeling, the nominating committee put in nomination our old board of officers as follows:

President, W. P. Lewis, New Albany. Vice-President, Jas. L. Hutton, Portland. Secretary and Treasurer, M. L. Corey, Argos.

Members Executive Committee: I. A. Sibley, South Bend;

E. M. Bush, Evansville; W. H. Weed, Vincennes.

Mr. Boonshot took the chair and put the motion for the adoption and selection of the old officers for the ensuing year, and they were unanimously elected.

The president, in response to his re-election, made a brief address in which he said:

I wish to say that I appreciate exceedingly the honors that have been bestowed upon me; but that which I appreciate very much more than mere honor is the co-operation which the members of the State of Indiana have given to the administration. I am proud of the association of the State of Indiana. Personally I have considerable State pride. I know that outside of the State we are sometimes derided, but that comes largely because of the ignorance on the part of the gentlemen who state it, because Indiana stands in the top of the list to-day when it comes to education, industry and enterprise.

It has been a great pleasure to me to be affiliated with this association during the year that has been brought to a close. When I left home I determined I would accept the responsibility no longer, but I cannot but feel that the sentiment

here is almost universal.

I also have very deep interest in the welfare of the association and the work in general, and if it is the unanimous wish of this association that we proceed, having been in the harness somewhat, I gave my consent if Mr. Corey would give his consent.

I thank you again for the honor.

The secretary also returned his thanks in the following language:

Gentlemen, I suppose it is my turn. I did not think when I left home that I could possibly under any circumstances accept the responsibilities and work connected with this office another year. I did not feel that it ought to be asked of me. I enjoy these meetings as much as anybody that belongs here, and I enjoy the acquaintances, and I appreciate the friendships that this has given me. I felt as if somebody else should take this work and carry it along, and when I spoke of it they all would not hear of it.

Gentlemen, I would not be content to act as your secretary one minute unless I felt we were doing some good and mak-

ing some genuine advancement.

I don't know that I would have accepted of any other position in any other State I have visited so far, but I have so much love for the dealers that belong to this association that I could not refuse it. I promise you I will do the best I can and I expect and know I will have your earnest cooperation. (Applause.)

The nominating committee reported the selection of Messrs. James Fulton and Howard Burkett as delegates to the national convention at Chicago, and Messrs. Jones, of Richmond, and Bush, of Evansville, were selected as alternates.

The report of the committee was adopted and a brief discussion followed in regard to local credit associations, and shortly after the convention adjourned sine die.

#### Solders.

A proper understanding of the principles which govern the composition and the application of solders, says a writer in the *Ironmonger*, would enable users of solder to make strong and satisfactory soldered joints where at present their work may fail to stand the test of hard wear and strain in active use. The process known as soldering is a union of two metallic surfaces by the interposition of a third metal

or alloy which fuses at a lower temperature than the metals joined by it. Soldering may broadly be divided into two classes—hard soldering and soft soldering, the former requiring the application of the blow-pipe in its performance. For the latter, the heat transmitted by an ordinary copper soldering bolt is sufficient.

Perhaps the most familiar use of hard solder known in the ordinary workship is in the brazing of cycle-frame tubes into their sockets. A proper joint of this sort is also as good as a weld, over which it has an advantage in that it can be effected with steel, which is weldless. It does not pay the ordinary user to make his own brazing-spelter or hard solder. The process is a difficult one, requiring the use of crucibles in which to fuse the ingredients of the alloy. We therefore avoid going into details of the manufacture, but we shall indicate the composition of the various solders in common use for various metals. For particular work care should be taken to have a solder which melts at almost, but just under, the heat necessary to fuse the metals being joined. With iron and steel this is impossible, as their melting-points are too high, but with other materials it is practicable. To make first-class work when the metals and the solder have an almost equal fusing-temperature requires great care, as there is danger of melting the metals and spoiling the work. The advantage of the fusing points being approximately alike will be appreciated when we remember that heat and cold, vibration and concussion, tension and compression act upon the metals, causing them to expand or contract, and if expansion and contraction of the two be not approximately equal, disunion may be caused. Hard solders are alloys of copper. Zinc is most frequently used, and occasionally tin is employed. The melting-point of hard solder rises with the proportion of copper in the alloy. Copper alloyed with almost its own weight in silver makes a much stronger hard solder than any composition we know. Owing to its price, however, its use is restricted except for silver articles. For German silver an alloy of copper, zinc and nickel, in proportion of 47, 42, and 11 per cent. in the order named, is in common use. For copper work 53 per cent. of copper and 47 per cent. of zinc gives good work. For ordinary brass the same may be used, or a similar alloy with a greater percentage of copper—up to 60 per cent. The small proportion of tin occasionally added seldom exceeds 2 per cent. In hard soldering the solder is bought in a granular state, and, as stated above, a forced gas jet, in the form of a blow-pipe, is used to fuse it. Blow-pipe flames with petroleum instead of gas as fuel should be avoided if gas can be had. There are several appliances in the market for brazing by petroleum. As a rule, they are not satisfactory in practice. Soft solders are used for tinplates, lead, zinc, and for brass and copper work in which wearing qualities are not essential—as, for instance, in the attachment of ornaments to gasfittings. Ordinary soft solder is a mixture of tin and lead, and by increasing the proportion of tin up to about 70 per cent. the fusing point is lowered. The melting point of tin is 440 degrees Fahr., and of lead 620 degrees Fahr., yet an alloy consisting of two parts of tin and one of lead fuses at 338 degrees Fahr. As a general rule, the greater the number of metals in an alloy the lower is the melting-point. This condition makes it possible to alloy metals to suit any particular class of work. Bismuth is used for solders to fuse at low temperatures. For ordinary tinplates equal parts of lead and tin are usually alloyed into a solder. The value of the solder and the quality rise as the proportion of tin is increased, but 60 per cent. need not be exceeded, though for common jewelry and brass 70 per cent. of tin may be recommended. Pewterers use an extremely fusible solder made of 50 per cent. bismuth, 25 per cent. tin and 25 per cent. lead. This fuses at 203 degrees Fahr. This composition is what is known as Rose's alloy. For wiped joints lead should outweigh the tin by three to one, and for plumbers' compo. pipe two parts of lead and one of tin is the usual composition.

## RECENT TRADE PUBLICATIONS.

Joseph Dixon Crucible Co., Jersey City, N. J. 26-page booklet having reference to Dixon's Automobile Graphites, which are meeting with an exceedingly popular and extended sale. The principal object in publishing the several publications relating to this product of the company gives them an opportunity for adding a large number of new automobile testimonials which are of the most convincing character, and just the kind to impress the dealer.

Sterling Wrench Co., Rockford, Ill. 16-page pamphlet catalogue embracing their line of high-grade tools and mechanics' specialties, among which will be found the Sterling Saw Sharpener, Chuck Wrench, Calipers and Dividers, Tool Handle, Fence Tool, Riveter and Delineator, all of them extremely useful and desirable tools for the Hardware trade to handle. As the manufacturers themselves state, feeling that they have no competition in their line at present, they rely entirely upon the superior quality of their goods for their introduction, guaranteeing to replace or repair at any time any defects in workmanship or quality of material that might occur through their negligence, every article in the catalogue being patented or with patents pending.

HERCULES SPECIALTY Co., Erie, Pa. 32-page catalogue of their product in the shape of Sectional Ladders, Extension Ladders and Step Ladders; also Extension Planks for paper-hangers; Platform Swing Stages, Adjustable Scaffold Jacks and Ladder Brackets, including as well Adjustable Scaffold Horses. These goods are of the character that makes them worthy of the distribution the Hardware trade would afford. The catalogue is illustrated throughout with half-tone illustrations, indicating the use of these desirable appliances, showing every possible form of construction by which they may be extended and lengthened, and indicating the manner and style of their use in so many different ways as to make it a valuable pamphlet of the Hardwareman's library.

Berridge Shear Co., Sturgis, Mich., and 127 Duane Street, New York. 16-page catalogue embracing their line of highgrade steel laid Shears and Double-Acting Pipe Snips. Well printed on coated paper, with good illustrations showing the various styles manufactured by this company, all of which are improved by the addition of the Berridge patent lock, nut and bolt, which is quite an improvement to first-class goods like these, the company manufacturing only the one quality, which are fully guaranteed in every respect. The Double-Acting Pipe Snip is an article of original construction, only intended for cutting tin and other light metals, but for that purpose is regarded by the manufacturer as being without a rival. A larger size of this double-acting tool is made with crimper, which will command the attention of those in the trade having use for a tool of this kind.

Stover Mrg. Co., Freeport, Ill. 80-page catalogue of the usual Hardware size, which is their No. 11, covering a large line of specialties made by this company, including as well articles in the Shelf Hardware and Builders' Hardware line, this company manufacturing as they do a number of other lines of equal importance, covering "Windmills for pumping and power purposes"; "Grinding Mills, Sweep and Belt Power"; Corn Shellers, Wood Saws, etc. To each separate line a catalogue has been given. The catalogue under review includes in its contents Spring Hinges in large variety, single and double acting; Sash Locks, Sash Pulleys, Shelf Brackets, Door Pulls, cast Shingling Hatchets and Hammers, Stove Pipe Dampers and Stove Specialties, etc.

Charles Morrill, 277 Broadway, New York, is distributing an 8-page booklet with characteristic cover, having reference to the Pearson "Cyclone" Spike Puller, which has recently been added to his line of Hardware specialties. It fills a positive want for an article of this character, and will, no doubt, meet with an extended sale. The spike puller weighs 30 pounds, and with a pressure of 100 pounds on the lever handle it will lift over 3½ tons, four movements only being required to completely remove any railroad spike from any position in which it may be: guard rail, switches, frogs, etc. All parts are interchangeable, the frame being cast steel, while the jaws are forged from the best properly tempered Swedish steel. The other parts are of the best stool steel, and the tubing is of the best heavy gauge bicycle tubing.

HARRINGTON & RICHARDSON ARMS Co., Worcester, Mass., among their artistic publications have recently issued an exceedingly handsome little catalogue of 28 pages, with cover in gold and colors, covering their line of Automatic Ejecting and Non-Ejecting Single Guns, Automatic Double-Action, Police Automatic and "Premier" Revolvers, all of which are illustrated in graphic shape, full descriptions being given. A long variety of Revolvers of various styles is given in connection with the contents, including such well-known goods as "Bicycle" Double-Action, "Bicycle" Hammerless, having shorter barrels than common; their regular Hammerless Revolver and Double-Action Revolver with Knife Attachment, etc., etc.; also the cheaper styles that are represented by the "Bull Dog" and "Young America" Double Action. The artistic appearance of the catalogue is considerably increased by several pages being printed in colors, showing the uses of the firearms in an exceedingly graphic manner.

H. P. Townley, Terre Haute, Ind., is the publisher of a series of 50 Stove Ads. which he has found useful in the extension of his own business, and believes it would be advantageous for the advertising department of any store to make use of the same. He publishes a collection of these books, as follows: 100 Steel Range Ads., \$1.00; 50 Hardware Ads., 50 cents; 50 Bicycle Ads., 50 cents; 50 Hot Air Furnace and Heater Ads., 50 cents; 20 Implement and Vehicle Ads., 50 cents. No doubt they will be of considerable assistance to the advertiser who does not have sufficient time of his own to spend over his daily advertising in the local papers.

SARGENT & Co., New Haven, Conn., and 149-153 Leonard Street, New York, have just issued for gratuitous distribution the "Gem Chopper Cook Book," which is to be used in connection with the sale of their Gem Food Chopper, Nos. 20, 22 and 24, having a cutting capacity per minute of 2,  $2\frac{1}{2}$  and 3 pounds, respectively. It is an attractive cloth covered, copyrighted book of 96 pages, 7x4½ inches. The book contains a total of 207 recipes, which includes dishes and desserts of savory excellence, which may be prepared through the medium of this Chopper. Many of the recipes have been especially prepared by Janet McKenzie Hill, editor of the Boston Cooking School Magazine and a regular contributor to the Ladies' Home Journal. Many of the others have been selected from accepted sources, the name of the author of each being given with the recipe. A page is occasionally left quadrille ruled for the incorporation of the individual hometried recipes, so that they are always available and classified At the back of the book is a table of cooking measures, and an index to the various classes of dishes is also included.



## NORTH DAKOTA RETAIL HDWE. ASSOCIATION.

The fifth annual meeting of the North Dakota Retail Hardware Association was held in Loyal Knights Temple, Fargo, N. D., Wednesday and Thursday, February 19 and 20. The attendance was the largest in the history of the association and the meeting most profitable to all concerned. In addition to the members there were present representatives from all the jobbing houses in the West, and many members of manufacturing firms who desired to make the personal acquaintance of their customers, and it was not long before the gathering took shape as a sort of love feast between seller and buyer, at any rate the greatest harmony prevailed throughout the session, and before they adjourned both sides had ample opportunity to exchange views as to trade relations and kindred subjects of mutual interest.

FEBRUARY 25, 1902.

The dealers evidently stood in with the weather clerk, for Old Sol never shone brighter and a chinook wind came from the warm shores of the Pacific as a first reminder that Spring and increased business activity were at hand.

#### WEDNESDAY MORNING SESSION.

After a few cordial words of greeting to the members when he called the association to order at 10:30 a. m., Wednesday, President Helgesen introduced Mayor Johnson, of Fargo. The Mayor said he was glad to once more greet the members of the association, which he referred to in complimentary terms, and said the gates of the city had been taken off to give them free entry; that they were free to all the city possessed in the way of welcome, and guessed that as most of the members had "been there before" they would not need a guide to the best there was in the place; that the boys must remember this was a Prohibition State, and he cautioned them against drinking the river dry, for there was something else to be had for the asking "on the other side of Jordan," that is to say—at Moorhead, across the "Raging Red."

The president made a very able response to the address of welcome extended by Mayor Johnson, which was received with every demonstration of approval.

President Helgesen then appointed the following committees:

Transportation—H. Harrington, Fargo; H. F. Emery, Fargo; C. N. Barnes, Grand Forks.

Nominations—H. F. Strehlow, Casselton; I. L. Newgard, Grafton; W. R. McIntosh, Bottineau.

Resolutions—H. S. Diesem, LaMoure; H. N. Joy, Hamilton; C. A. Heegaard, Mandan.

Question Box—H. B. Allen, Jamestown; H. H. Walters, Casselton; O. A. Gallup, Edgeley.

WEDNESDAY AFTERNOON SESSION.

A recess was then taken till 2:30 p.m.

Upon reassembling in the afternoon H. P. Allen, of Jamestown, read an address as follows on

FAKES AND FAKIRS, OR LEG PULLING.

"Eternal vigilance is the price of liberty."

This is an old adage, and if it was true generations ago it is more true at the present time, and under existing circumstances conditions are constantly changing, and, unless we change our tactics and quicken our pace to conform to present conditions we will not be in the race. In every avocation of life there is a demand for the best talent, also for those who use that talent to the best of their ability. When Daniel Webster told a friend that he had decided to be a lawyer, the friend tried to have him change his plan by telling him that the legal profession was already overcrowded. But the reply of the great orator was, "There is always room at the top," and so it proved in his case, and it is true in every calling.

Let us apply this principle to our own case and strive for the best we can attain. If we are not able to win the approval of the whole country we can at least of a proportion of it, surely of the community in which we live—and remembering that we are not held responsible for the talent that we do not possess. The loyal citizens are just as necessary to a great nation as great statesmen.

From my limited experience I am convinced that some are not using their ability to the best purpose. Experts for working evil and confidence men are as much in demand as experts in legitimate business, and with too many the price paid decides which place they take. I do not believe that the world is growing worse and that everything is going to the bad, but it does seem that the struggle for wealth diverts too much of the strenuous life of our own citizens.

I do not wish you to think, brothers of the Hardware profession, that I know more about "these tricks that are dark and these ways that are vain" than others. I have never attempted to work them on others, nor have I been victimized oftener than the average man, but I think there are few of us who will not confess that they have been "held up" sometime in our business career by some one who had a sort of hypnotic power over us. Perhaps an experience meeting on this line might be of benefit and help some of us to avoid the rocks and shoals that others have run against, and enable us to learn a lesson without the experience—for experience is a dear teacher.

If our fakirs were all of the same class and kind we would soon learn to know them and be able to turn them down. But their ways of working are legion and they take us unawares and before we comprehend them they have convinced us that it is necessary for us to enter into their schemes—as it will prove a great success and increase our trade— and, besides, if we do not embrace this offer our competitor will be given the opportunity—in fact, he has already become interested, but he will give us the first chance as he has been told that we are the more progressive and up to date. Our heart warms toward our new friend, and we cannot be ungrateful to one who has shown such interest in us and favors us in preference to others.

Some of their methods are very mild and are worked year after year, without our realizing how we are sold. For example: A smooth man comes into your place of business and tells you the hotel keeper has bought a register of him and would like to have you take a card on the blotting page. It would be a splendid way to advertise your business and it costs you only \$3. The hotel man will appreciate it, and, he being a customer and friend for years, the \$3 and nineteen other merchants do the same thing, and the consequence is that the out of town man gets a hundred dollars from the merchants and furnishes a hotel register not worth over \$10.

The same scheme is worked in selling writing desks for hotel offices with raised backs for holding advertisements. From \$75 to \$100 is collected for advertising space, while the desk is not worth over \$10, the difference goes to the out of town promoter.

The piano racket is along the same line. A portion of the merchants are solicited to pay from forty to sixty dollars each, for consideration. They are to receive tickets which they are to give out to their customers at the rate of one to every twenty-five cent purchase. Each ticket is a vote for some organization to receive the piano. The promoter carries off from \$500 to \$600 and furnishes a piano which can be bought for \$125.

I am not condemning these ways of advertising but the exorbitant prices paid to outside strangers. If you wish to furnish a hotel keeper a register for the advertising it is legitimate, but buy it for what it is worth, and the same with the writing desk and the piano. Buy them, as you buy your Hardware, pay what they are worth and no more.

Another class which we should discourage is the common, every-day beggar. They come to us in divers ways and conditions, but they are not hard to identify.

There is the man who walks on all fours, the blind man led by the little boy, the deaf man with his poetry, the poor widow with the large family of small children. If they do not belong to your community turn them down, for by contributing to them you encourage a nuisance which will continue so long as it pays.

Perhaps no one line of fakirs has had greater success nor carried more money out of the State than the vendors of mining stocks. They are such slick talkers and have a dozens specimens of very rich ore, it will yield so much per ton, and, only think of it! -You may have stock at ten cents on the dollar. It will be worth par inside a year, no doubt, and the company has decided to raise the stock to 25 cents in the near future. There is but very little more for sale, but they wish to interest a few of the leading men in each town, so with false representation, and flattery, and persistency they work the spider and fly racket to a finish.

Then there are scores of ways that men part with their money without equitable remuneration, from the gaid brick swindle to the inflated bladder.

I will call your attention to but one more, which came under my observation within the last few months. very smooth gentlemen visited North Dakota towns ostensibly to sell an innocent little article for kitchen use, worth at retail, after allowing a manufacturer's and dealer's profit, about \$3. They proved to be experts in their line, and succeeded in getting two or three hundred orders at \$12.88 cents each. They could not deliver the article for some time as the factory was behind in its orders; but it proved to be such a ready seller that they turned their attention to selling county rights and disposed of most of North Dakota and most of Minnesota at \$288 for each county right, so, after the above towns has parted with about \$7,000, more or less, all they have to show are the two or three hundred articles, many of which can be bought for 25 per cent. of their cost, and the county rights, which, in my opinion, are not worth the paper they are written on. Sometimes the adage about the fool and his money is forced upon us.

Now, I do not wish to leave the impression with you that I consider the making and hoarding of money the chief end of man. If our money is to do good it must be spent. It has been said the money we spend we have, and what we keep we lose—and this is true when it is spent wisely. I have referred to several ways which I do not consider wise ways of disposing of money. In closing let me recommend a few investments that will prove more satisfactory.

An industrious farmer who had a poor crop for two years in succession loses his house and contents by fire; his neighbors and friends rally to his relief, and in a short time he has as good a house as before, furnished. Who will ever regret being one of the good Samaritans in such a case? Or the poor woman who makes a living by taking in washing and selling milk. The cow dies; who would ever feel the poorer by helping to buy another? Bestow your charities on the worthy unfortunate in your own community with generous hand and cheerful hearts.

We are only stewards, and the money we control is placed in our hands for investment. Let us invest it in such a manner that it will bear the scrutiny of Him who gives us the power to achieve wealth.

Let us not be in too great haste to get rich, but follow our legitimate calling and give it our closest attention, and by caring for it it will care for us.

Let us not put too much confidence in strangers who are dealers in stocks and patent rights.

Do not let your sentiment and sympathy overrule your judgment. Take time to consider and ask advice before making radical changes in business; count the cost and consider both sides of the question before embarking in new enterprises, and last, but not least, join the North Dakota Retail Association, attend the annual meetings and ask the secretary to allow you to write a paper for next year's convention.

Two hours were then given up to hearing the views of traveling men and manufacturers, President Helgesen prefacing his invitation by saying he wanted the gentlemen to be frank, and if they had any grievances to "speak right out in meeting." The debate that followed was participated in by sellers and buyers, and many points of difference were discussed to mutual advantage and several matters of controversy were cleared up. The remarks demonstrated the best of feeling between the respective interests and evidenced the desire of the jobbers to assist the association in all ways possible against illegitimate dealers and "catalogue" men. A feature of the debate was the manner of figuring the retailer's profit and what should be considered a fair profit. There was a wide divergence in view as to the latter, but many good

points regarding figuring the cost and what it should include were brought out for the benefit of those who had been doing business on the guess basis.

The jobbers and traveling men present then passed a vote of thanks to the association for courtesies shown, which was reciprocated in kind by the association.

The afternoon session closed after the reading by H. F. Emery, of Fargo, of a paper on

SOME DIFFICULTIES HARDWARE DEALERS HAVE TO CONTEND WITH.
THURSDAY MORNING SESSION.

The second day of the North Dakota Hardwaremen's convention opened as bright as the one preceding, and the members were on hand in a happy frame of mind for the work of the day.

The roll call showed a largely augmented attendance, many members having arrived during the night and morning. Quite a number of new members were taken in also.

President Helgesen made no formal address, but in a few words thanked the members for their uniform courtesy to him, spoke of the bright prospects for the achievement of good for the association and called for the report of the secretary, which was as follows:

C. N. Barnes, secretary, then delivered his annual report.

REPORT OF SECRETARY.

In several of my reports read at previous annual meetings I have felt they were of so lengthy a nature that they were tiresome and very uninteresting to those in attendance.

In this, my fifth report, I will attempt to carry you through the twelve months past and tell you as briefly as possible of the work performed in your secretary's office, and add possibly a suggestion or two for your consideration while here together.

Since our organization, this has been the first year that the Executive Committee has not been called together to act on matters to come before them, which would seem conclusive that our work has been running along in a smooth manner and indicating something accomplished at least.

By the Executive Committee not meeting, I do not mean that we have not had complaints and grievances to contend with as in previous years, but they have been handled by use of mails, wires and consultation of your officers, and most of the problems have been satisfactorily adjusted to all interested. One or two of the more recent complaints will be discussed by the Executive Committee during this meeting and proper action taken.

Early last year, various matters came up that could not be satisfactorily adjusted by correspondence, so your president and myself met in St. Paul with the Hardware jobbers soliciting trade in the Northwest, and discussed the issues arising and received assurances of their co-operation, and which has been manifested since that meeting.

#### CORRESPONDENCE.

The correspondence of this office during the past year has been no less than in previous ones, and from postage used it would indicate that it far exceeds all others. There are several causes that can be attributed to this increase. First, we have had double the complaints presented this year than former ones, for investigation and adjustment.

Another cause is that we have been trying to secure an accurate list of the Hardware dealers in the State, and there has been no end to the correspondence in this connection.

The large emigration to our State has made many new towns, and necessarily many new Hardware firms have entered the field. To secure their membership has made a large amount of correspondence and used a great deal of postage.

I regret to say it, but I believe that it is a safe assertion that not more than one quarter of the dealers in our association answer the first letter I send them, consequently through their neglect in not answering letters sent them, many dollars have been wasted in postage.

#### MEMBERSHIP.

Our membership to-day is 135, and with the exception of six, all of that number are in good standing. Undoubtedly these will be paid up during this meeting. Although our present membership shows only sixteen more members than last year, we have secured thirty-five. This difference is due to the fact that we have been compelled to drop some on account of changes in their business location, others because of their retirement from business and non-payment of dues, etc.



Nevertheless, we have never met in annual session since our organization without having a larger membership than the meeting previous.

From every available source known to me to secure information, I find there are at this date 228 dealers engaged in the legitimate Hardware business in this State, which is seventeen more than there were last year. The names of these firms you will find incorporated in our program, and while you are together you will confer a great favor on your officers if you will look these names over carefully and advise them of any errors or omissions.

I do not approve of mixing politics with our association work, but there are many abuses confronting the merchants throughout the State that can not be successfully controlled other than through legislation. It would seem advisable at this meeting to appoint a legislative committee to attend to framing bills that appear necessary now, or that may develop later, and to look after their interests at the next session of the legislature which convenes next Winter.

NATIONAL ASSOCIATION. Through the medium of the National Hardware Bulletin, our members have been able to keep in touch during the last year with matters handled by that organization, and I am sure that I accord the sentiment of our entire membership in expressing our satisfaction with the able manner the affairs of that association are being handled, and with the cord they have so successfully tied in connecting most of the State associations together.

We have read with pleasure, I am sure, the account of the Wisconsin annual meeting held two weeks ago and their decision in joining with the other States in the National, and we hope that the other States who have not as yet thought best to cast their lot with those affiliated with the National will think more favorably of so doing, and that action will be taken by them at their annual meeting.

I have made this report somewhat longer than contemplated at start, but I desire before closing to express to the Hardware trade throughout the State, and to the officers of the association, and members of the Executive Committee, my appreciation for the splendid support and co-operation than have given us in the past, and thereby permitted us to they have given us in the past, and thereby permitted us to continue to hold the supremacy above all other similar organizations, in having for our membership the largest number of dealers in proportion to the available ones of any State Retail Hardware Association in the United States.

The treasurer's report followed. It showed the association to be in a remarkably good financial condition, having a large balance in the treasury.

A committee from the North Dakota Grocers' Association appeared before the meeting and extended the good will of their association and asked that the Hardwaremen join them in organizing a mutual fire insurance association. Hardwaremen felt that they were not at present in a position to take action on such a matter owing to their allegiance to the Minnesota Hardware Association's Mutual Co., with which they were affiliated.

A number of jobbers and manufacturers were then introduced, and an interesting exchange of views was enjoyed till the noon recess.

At the afternoon session, which was executive, the following officers were elected:

President-H., N. Joy, Hamilton.

Vice-President—H. F. Emery, Fargo.

Treasurer—W. H. Pinkerton, Lakota. Secretary—C. N. Barnes, Grand Forks.

Members Executive Committee for three years—Anton Enger, Cooperstown; Frank Lish, Dickinson.

Representatives to National Retail Hardware Dealers' Association-H. N. Joy, Hamilton; H. T. Helgesen, Milton; C. N. Barnes, Grand Forks.

Next Place of Meeting-Grand Forks.

Resolutions were then adopted, which included the follow-

Resolved, That the action of the Executive Committee at its meeting of July 10, 1901, in rescinding the resolutions of September 29, 1897, and February 16, 1898, and the adoption in lieu thereof of the following resolutions, be approved:

Resolved, That it never has been, and is not now, the purpose or the intention of the association to dictate or in any way to attempt to control the prices at which Hardware, stoves, tinware or any other article of a kindred nature shall be sold in this State, either by foreign jobbers or by retail dealers, nor is it the purpose of the association to attempt to limit the full and free competition in the importation and sale of said articles in this State. The object of this association is, in general terms, to promote the interests of its members and by all lawful means to protect the legitimate Hardware trade.

At times there are certain persons engaged in the sale of the articles above mentioned who are objectionable to the members of this association.

We do not in any way attempt to limit the right of such persons to buy of whoever will sell to them, or to sell at whatever price he chooses to put upon his goods, but the members of this association will exercise the right, which they maintain they have, to refuse to purchase goods of any manufacturer or jobber who persists in selling, either directly or indirectly, to any person who shall for any reason be declared objectionable to this association.

Resolved, That we are greatly indebted to President Helesen and Secretary Barnes for the efficient manner in which they have conducted the affairs of the association for the We realize that we are unable to adequately reward them for the many sacrifices which they have necessarily made in furthering our interests, but assure them that we deeply appreciate it, and sincerely hope that fortune may beam beneficently upon them.

During the session the following papers were read:

"One Way to Compete With Supply Houses," by O. A. Gallup, Edgeley.

"Dealers' Associations, Their Object and What They may Accomplish," by James McPhail, Langdon.

"The Practical Hardwareman," by Levi B. Hanson, Shel-

Their addresses were well received, and were followed by discussions from the Question Box, until 5 p. m., when the convention adjourned sine die.

#### Eastern New York and Vermont Hardware and Iron Association.

The annual meeting of this association was held on the 20th at the Fort Orange Club, Albany, N. Y., the members being entertained as the guests of the Albany Hardware & Iron Co. After luncheon a business meeting was held, and it being the annual, election followed, the result of which was the unanimous re-election of the officers of the preceding year, as follows: President, James L. Dunn, Troy, N. Y.; vicepresident, Richard Ryan, Rutland, Vt.; secretary, Charles H. Turner, Albany, N. Y.; treasurer, Guilford Dudley, Poughkeepsie, N. Y. Directors: Charles Croissant, Albany, N. Y.; J. T. Johnson, Rondout, N. Y.; James F. Whalen, Burlington, Vt.

The next meeting will be held on the third Thursday in May, and it is presumed that it will take place at Kingston, N. Y., the full decision being in the hands of the committee.

#### He Bought It.

A Washington attorney had a caller yesterday. He was an uncouth looking individual, and said he hailed from Montgomery County, Md.

"Judge," he said, "I reckon I'll hev ter buy a few words of advice.'

"Well, what is it?"

"Thar's a sto'keeper up my way, an' I've hed a good many dealin's with him fust and last. I reckon I've seed him put his right thumb in the scales a hundred times when he weighed things I bought."

"Well, you ought to have stopped him. You can't collect damages for that," interrupted the attorney.

'I don't want no damages." "Well, what do you want?"

"You see, we got in a fout yestiddy, an' I bit off that thumb, an' I want ter know if, as many times as I bought it, I don't own it, so that he kain't get damages for my bitin' it off."—Washington Star.

## NEW GOODS AND SPECIALTIES.

#### Standard Spray Pump.

Admiral Lamp Co., Marysville, Ohio, are the manufacturers of the Standard Spray Pump, the usefulness of which is shown in the following illustrations, Fig. 1 representing the old methods performing the spraying operation previous to the advent of the Standard Pump, while the ease with which spraying may be accomplished by its aid is shown in Fig. 2, which indicates one manner of its use where it is used with effect, having three feet of hose and strainer. The pump



FIG. 1.

may be used with bucket, knapsack, tank or barrel, and is intended for spraying orchards, gardens, vineyards, or for use in whitewashing, disinfecting chicken houses, etc. It is provided with two nozzles, which are interchangeable, No. 1 of which will throw a solid stream 50 to 60 feet, while No. 2 may be attached to No. 1 and will throw a fine spray 28 feet. If attached to the pump direct, it throws a coarser spray 40 feet. The operator standing on the ground, is thus enabled to cover the highest fruit tree with a fine spray, and with



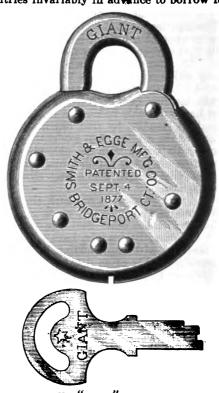
FIG. 2.

exceedingly little effort under the circumstances. Any solution may be used in its operation, from paris green to kerosene emulsion.

#### The "Giant" Padlock.

Smith & Egge Mfg. Co., Bridgeport, Conn., are the manufacturers of the style of bronze metal padlock which we illustrate herewith, and which has been in general use for a number of years. So perfect in its construction, and so well adapted for general purposes, this peculiar form of padlock has been one of the most popular ever placed before the Hardware trade. It is particularly well known in connection with the Post-Office Department of the United States, where it has

been in use on mail bags for a number of years. Postmasters General come and go, but no administration thinks of changing the locks on the mail bags, no better form of safe protection ever having been brought before the department. Other countries invariably in advance to borrow ideas of this



THE "GIANT" PADLOCK.

kind from the United States have found it desirable to adopt the Smith & Egge Lock in their postal service. All the padlocks made by this house are provided with four tumblers each, and the safety insured by the internal construction which forms its underlying principle of security, and which has been used for nearly twenty years by the locks supplied by the Smith & Egge Mfg. Co., recommends the use of this lock to all requiring a portable appliance of undoubted security.

#### Ohio "Water Tight" Steel Hods.

Geauga Foundry & Mfg. Co., Painesville, Ohio, are manufacturing a great improvement over the old-fashioned mortar



OHIO WATER-TIGHT BRICK HOD.

and brick hod, which will be evident from the illustration of the Mortar Hod which we give in connection herewith. While the Ohio "Water Tight" Steel Hods are claimed to be 25 to 50 per cent. lighter when in use than the common wooden hod, they are, in addition, positively water tight. The bodies are made by being folded from a single piece of

(Continued on pages 48 and 49.)

### REVIEW OF THE MARKETS.

Wire Nails: The demand continues in satisfactory shape, but prompt deliveries have not been facilitated by the recent stormy weather. The present market is a firm one, and is represented by the quotation of \$2.05 to \$2.10 f. o. b. Pittsburgh, plus actual freight to destination.

New York. The demand has been but moderate, owing to the disadvantages of the weather, and the following prices represent the local market for quantities stated.

Carloads on dock are quoted at \$2.25; small lots from store \$2.30 to \$2.35.

Cet Nails: The Cut Nail market, at the quotations recently established, is a firm one. The quotations are as follows: f. o. b. Pittsburgh, plus the actual freight to point of destination, terms 60 days, or 2 per cent. off in 10 days:

New York. The local demand has been held in good shape by the concession in prices recently adopted, the following representing the market.

| Carload lots on  | dock          |   |                         | \$2.08 |
|------------------|---------------|---|-------------------------|--------|
| Less than carlos | d lots on doc | k | • • • • • • • • • • • • | 2.18   |

Barb Wire: The demand for Barb Wire is a noticeable one, as large size specifications are being entered for Spring delivery, no surplus stock accumulating at the mills. The prices previously quoted for quantity lots remain in force.

| To jobbers   | in carload lots, Painted                   | 2.60        |
|--------------|--------------------------------------------|-------------|
| 4            | " Galvanised                               | 2.90        |
| 44           | less than carload lots, Painted            | 2.65        |
| **           | " Galvanized                               | 2.95        |
| To retailers | in carload lots, Painted                   | 2.70        |
| - 44         | " Galvanized                               | B.00        |
| **           | less than carload lots. Painted            | 2.20        |
| 44           | less than carload lots, Painted Galvanised | <b>8.10</b> |

Ellwood & Baker Wire is 5 cents, and Washburn & Moen Glidden is 10 cents per 100 pounds higher than the prices above named.

Plais Wire: An unusual demand for prompt deliveries, especially for manufacturing purposes, continues to give the manufacturers uneasiness to deliver promptly on time. The market is a strong one, and no concessions are heard of. Present quotations are as follows, f. o. b. Pittsburgh, terms 60 days, or 2 per cent. off for cash in 10 days:

|    |                      | Plain.                          | Galv.  |
|----|----------------------|---------------------------------|--------|
| To | iobbers in carload   | lots\$2.00                      | \$2.85 |
| To | fobbers in less than | lots\$2.00<br>carload lots 2.05 | 2.40   |
| Ť  | retailers in carload | lots 2.10                       | 2.45   |
|    |                      | n carload lots 2.20             | 2.55   |

The above prices are for the base numbers, 6 to 9. The other numbers of Plain and Galvanized Wire take the usual advances, as follows:

| 6 to 9      | Base   |        |      |      | <br>  |   |       | <b>8</b> 0.40 | extra. |
|-------------|--------|--------|------|------|-------|---|-------|---------------|--------|
| 10          | .80.05 | dvance | over | base | <br>  |   | • • • | .40           | 64     |
| 11          |        | **     | 44   | **   | <br>  |   |       | .40           | 64     |
| 12 and 12 % | 15     | 44     | 44   | 44   | <br>  |   |       | .40           | •      |
| 18          |        | 44     | 44   | *    | <br>  |   |       | .40           | •      |
| 14          | 85     | 64     | 44   | 64   | <br>  |   |       | .40           | •      |
| 15          | 45     | 44     | 44   | 44   | <br>  |   |       | .75           | ••     |
| 16          | 55     | 64     | 66   | 64   | <br>  |   |       | .75           | ••     |
| 17          |        | 44     | 66   | 44   | <br>  |   |       | 1.00          | 44     |
| 18          |        | 44     | 44   | 44   | <br>- | - |       | 1.00          | 64     |

For even weight bundles, 50 pounds and over, 5 cents per bundle advance on above.

Augers and Bits: Prices previously existing on Augers and Bits have been confirmed by the manufacturers at a meeting held on February 12. There is a steady demand, and deliveries are fairly prompt.

Chiscis and Drawing Knives: Prices that previously held the market on Chisels and Drawing Knives were confirmed at a meeting held by the makers on February 13. The quotations are regarded as being favorable for the business in sight, and the demand is an exceedingly good one.

Axes: A consolidation of the interests of a number of Axe manufacturers in order to make a much more steady market for these goods than has previously obtained, has resulted in an advance on the leading goods, the details of which have not come to hand. The goods will be advanced, it is understood, from 5 to 10 per cent., the new prices going into effect before March 1st. Every effort will be made to maintain the prices as established, as the season just past, in the way of profits, has not been as satisfactory as the amount of trade would warrant.

Steel Goods: The Iowa Farming Tool Co., Fort Madison, Iowa, under date of February 1st, have withdrawn all quotations on Steel Goods and Sundries. New prices will be named on application, with specification of buyer's wants.

Bisder Twine: A demand is being noted for Binder Twine, and quotations from some of the manufacturers are as follows, which is subject to 1/4 cent per pound rebate when purchased in carload lots:

|              | Per pound |    |
|--------------|-----------|----|
| Sisal        | 11 cent   | 8. |
| Standard     | 11 cent   | A. |
| Manuaru      | 1814 cent |    |
| Manila       |           | •• |
| Pure Manila. |           | 3. |

Cordage: The rope market is still a firm one, recent advances changing the quotations which we give below, and which now represent the market, although further advances may be looked for.

| Ianila, 7-16 inch and iarger      |                           | F         |
|-----------------------------------|---------------------------|-----------|
|                                   | inch and larger           | `         |
|                                   | inch                      |           |
| sal, 7-16 inch and larger. % inch |                           |           |
| % inch                            | inch and larger           | • • • • • |
| 14 inch and 6-16 inch             | inch.                     | • • • • • |
| te Rone. No. 1                    | nch and 5-16 inch         | • • • • • |
| 178 KOMP. NO. L                   | 1 Yarn, medium and course | • • • • • |
| No. 2                             | NO. 1                     | • • • • • |

Linsced Oil: The following quotations are the latest announced by the Dean Linseed Oil Co.:

In lots of less than 5 barrels......54 cents per gallon. In lots of 5 barrels or more.......68 cents per gallon.

The five-barrel price applies only to deliveries of that quantity at one time.

Boiled Linseed Oil, 2 cents per gallon higher than Raw. Calcutta Oil, 85 cents per gallon.

#### THE PHILADELPHIA TRADE.

Midwinter is never the time for very heavy trade, and, in attending a trade convention last week, the writer had the pleasure of hearing a very sage remark made by a veteran Hardwareman. The talk had been running on the competition which exists to-day—especially on goods sold out of season, and, after tales of woe had been discussed for some time, the veteran remarked—"Well, I have lived through a great many years in the Hardware business, and have some times found it difficult to live through February, but if I once reached March, I always found I could live through the balance of the year."

There is a great deal of truth in this, and it confirms what was often said by the late Charles L. Mead, of the Stanley Rule & Level Co., who used to say, apropos of the March sun, "We are all sun-worshippers yet. The absence of the sun makes business dull, and no one is disposed to do very much, but as soon as the warm Spring sun comes out, and mankind feels its glow, in the vigor of new life, he begins to feel like buying a plane, or a hatchet, or a spade and getting to work." It has always seemed to us as if there was much sage philosophy in this saying, and it is undoubtedly true.

This would seem to indicate that trade was dull. This, however, is not the case. On the contrary, it is keeping up



# STANLEY RULE & LEVEL CO.

NEW BRITAIN, CONN., U. S. A.

## Improved Carpenters' Tools.

SOLD BY ALL HARDWARE DEALERS.

#### The Pero Hone Strop

A PERFECT STROP FOR MEN WHO SHAVE THEMSELVES.

Something Entirely new and that you can recommend. The result of 20 years experimenting by an expert barber. Lasts a lifetime. Pays a Liberal Profit and money refunded if not satisfactory. Write for full particulars and testimonials.

J. H. PERO, - 237 N. Clark St., CHICAGO.

#### THE HOME SHARPENER.



An emery wheel. Fits all sewing machines. For sharpening scissors, knives, etc. Strong and durable. DISPLAY STAND GIVEN

DISPLAY STAND GIVEN
FREE TO DEALERS.
Write for prices, etc.

BULLOCK MFG. CG., 56 5th Ave., Chicago, Ili.

## SOMETHING NEW "STANDARD" BALL-BEARING PHILADELPHIA CASTERS.

Samples and Catalogue free.

Standard Caster & Wheel Co., 312-326 East 23d St., New York.



in very good shape, and in volume will compare favorably with last year.

There is an excellent demand for goods, but the cold and wintry weather of the last few days has caused a slight lull, which is giving jobbers a chance to catch up on their business.

The outlook in all directions is bright. Manufacturers are extremely busy, and great difficulty exists in getting supplies, especially in nails and wire, where supplies are detained by reason of the short supply of cars and the block in transportation.

Prices are still growing firmer. The Axe men have just announced their prices for the coming year, which show an advance on last year's figures, and we understand a combination has been made including all the axe manufacturers of

the country, so there is every probability that higher prices will rule on this line for some time to come.

BIDDLE HARDWARE Co.

#### THE PITTSBURGH TRADE.

Business during the present month has been somewhat retarded on account of weather conditions. For the past two weeks Western Pennsylvania has experienced snow storms of greater severity than for a number of years past. In many districts the roads were rendered impassable, and traveling men report much difficulty in covering their routes in outlying districts.

The effect of this is seen in the volume of business, which is hardly as large as had been expected, and as the prosperous condition of things in general would lead one to expect. However, the number of orders for future shipment of

# TO SUPERSEDE EMERY CRAIG MINE CRYSTAL CCRUNDUM.

WHAT THEY SAY ABOUT IT.

BRADLEY & HUBBARD, Meriden, Ct.—"After making careful tests of your No. 24, 70, 100 and 140 (Craig Mine Crystal) Corundum on leather covered wheels, polishing cast iron, am pleased to inform you it is the best abrasive we have ever used. It will polish at least twice as much work as any emery we have ever tried; cuts very fast, and leaves a fine, clear finish."

INTERNATIONAL SILVER CO., Factory "G," (Formerly Norwich Cutlery Co.)—"We have been using No. 40 (Craig Mine Crystal) Corundum steadily for six months, and we find that it will do just double the work that any other emery that we have ever had will do, and that it is impossible to burn a (knife) blade with it which is a great advantage to us as all emery will burn, and consequently draw the temper. We are using finer grades with equal results. \* \* \* We would recommend Corundum, not only on account of the saving, but the work is very much more satisfactory."

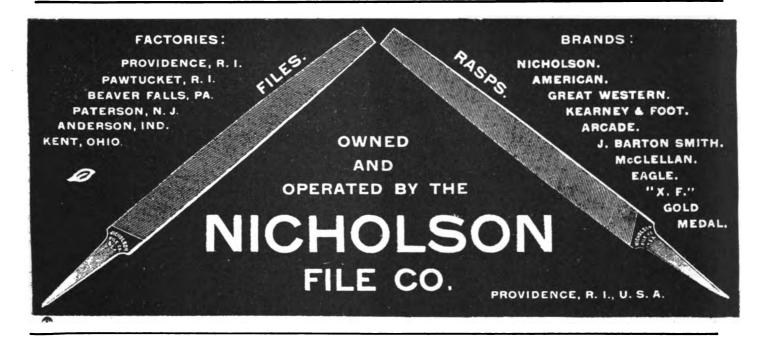
LOBDELL CAR WHEEL CO.—" Is entirely satisfactory. \* \* \* Cuts well and seems to be very pure."

Emery is an impure form of corundum. It is about 30 per cent. corundum, and 70 per cent. oxide of iron, non-crystaline alumina, etc. The 30 per cent. cuts; the 70 per cent. rubs and burns.

Labor is the chief item of expense in manufacturing. If you use much emery you will make a large saving by using Craig Mine Crystal Corundum in its stead. It is the only pure corundum produced in North America.

Send us a sample order.

THE CANADA CCRUNDUM CO., LIMITED, TORONTO.



Spring goods has been exceptionally large, and from the quantity of goods purchased it is evident that the trade in general has faith in the continuance of the remarkable business activity which the last year has witnessed. In and around Pittsburgh conditions were never better, and when the Spring trade has fairly opened there is every reason to anticipate that merchants in all lines will be as busy as they can desire.

Logan-Gregg Hardware Co.

#### THE CLEVELAND TRADE.

The report of the Industrial Commission on Trusts lacks the denunciation that they were expected to make. We are slowly learning that the danger or benefit of trusts depends upon the trust itself. That what they do is superior to any theory. That they can reduce cost is not criminal. If they retain what they gain as profit, they do not injure competitors. If they give it to the consumer, they surely benefit him. The opposition from trusts comes from both sides less they suffer. As stock in trade for politicians, it has about served its purpose as opposition to improved machinery did. Sensible men see, as all others will, that conditions created combinations, and Satan had no hand in it. A lot of cranks would be out of business if improvements were to stop. The extension of territory now furnishes a hobby for disaster discoverers, but the sun in its changes generates changes, and we have less to do than we imagine in determining the direction they take. The annexation of Louisiana and Alaska was followed by prophecies of disaster, but the country has endured it, and we may live to build monuments to those who are instrumental in securing recent extensions. The extreme cold has interfered with trade, but if it has destroyed the worms that injure the wheat we have adequate compensation. Indications make it probable that 1902 will excel any past year in prosperity. THE LOCKWOOD-TAYLOR HARDWARE Co.

#### THE DAVENPORT TRADE.

Weather continues cold but pleasant; roads good; prices steady; collections satisfactory, and indications point to a good healthy Spring trade.

SICKELS, PRESTON & NUTTING Co.

#### THE ST. PAUL TRADE.

With the month of February slipping away and March so near us, the largest Spring business we ever had is without doubt staring us in the face. The good times all over this country is with us. The trade fully appreciate that the chances are for a scarcity of goods and they are buying quite liberally for immediate as well as future delivery. We believe the merchant is wise who keeps his stock full of

goods, because, as a rule, there will be no lower prices and there may be higher ones.

Competition here is strong, prices are cut to the lowest profit, sometimes so low that the profit is out of sight, but still we hope by close work on prices and large volume of trade we shall find that this year will show a good result.

C. W. HACKETT HARDWARE Co.

#### THE OMAHA TRADE.

Trade has been flowing in very even channels since our last report. As regards volume, this is fully up to expectations, the only conditions which create friction and dissatisfaction being the extreme difficulty of procuring the goods with which to fill orders. From all sources comes the cry of a demand that apparently taxes to the utmost the ability of the manufacturers and jobbers to supply, and conditions appear to favor an increase in these conditions rather than any relief.

Collections are fully up to the average. There are a few soft spots where the crop of last year was short and some complaint is made, but in a general way conditions are prosperous and there is apparently no reason why we should not have another year that may exceed in satisfaction the results of the one just past.

WRIGHT & WILHELMY Co.

#### THE SAN FRANCISCO TRADE.

Just what this section of country is most in need of, and has been having the greater part of the week, is still manifesting itself this fifteenth day of February in a copious rainfall, and without any indication of an early let-up. Yet, notwithstanding this weather condition, so very agreeable to the Hardware, Farm Implement and Builders' Tools trades a profound sense of grief is spreading throughout San Francisco trade circles as the shocking news is spreading its way this evening of the death, this afternoon, at his home in Oakland, of Frank Folger Osborn, the pioneer Hardware and Builders' Tools dealer of this city, and president of the San Francisco and Oakland Retail Hardware Association. Deceased, fifty-two years of age, who had been confined to his home and bed four weeks, was one of the most genial of men.

Prominent officials of the California State Retail Hardware Association anticipate a record-breaking attendance at the society's third annual meeting, to convene in this city for a two days' session on the date of this issue of *Hardware*. But, as was the case at last month's meeting in Nevada City of the Pacific Retail Hardware Association, it is expected that this meeting will afford not much opportunity for trade papers' correspondents to make note of, since it is surmised that this convention of Hardwaremen is to be a



sort of executive-committee-of-the-whole affair, the first day to be devoted exclusively to an association conference for the betterment of retail trade arrangements with jobbers, the second day to be devoted to joint conference between the association members and representatives of the jobbing INDUSTRIAL PRESS ASSOCIATION. houses.

(Continued from page 42.)

#### Missouri Retail Hardware Dealers' Association.

WEDNESDAY MORNING SESSION.

The Wednesday morning session was called to order at 10 o'clock, and the association went into executive session, during the course of which an address was made by the treasurer of the National Retail Hardware Dealers' Association, H. G. Cormick. Among other things he said:

As at present organized, the National Retail Hardware Dealers' Association, being composed of a small number, is well equipped to do effective work. During the past year its efforts have been devoted principally to harmonizing the various interests in the trade, and it has in this line met It is in close touch with the prominent with great success. manufacturers and the National Hardware Association, and much relief is in sight, in the fact that we are assured that many prominent lines will not be found in the hands of illegitimate competition this year.

The National Hardware Association—a jobber's association-have demonstrated beyond a doubt that they are our friends, and I believe that each member will serve the interests of this work if he will, as far as possible, confine his purchases to members of this association, and tell others why he Personal effort along this line will produce results that will startle one who has not tried it.

Nothing can be done that will tend to help your interest more than to give to the National Retail Hardware Dealers' Association your unreserving personal loyalty. We much can be done; without it the effort will be futile. With it

To each of us, from the fact that we are a part of this organized movement, has come the conviction that there is "a community of interest" among the retail Hardware dealers of this country, and we should give to the effort in its behalf our best talent, so that at no distant day the public will realize that they will find the staple branch of Hardware in the hands of the retailer at fair prices.

After Mr. Cormick's paper had been read the association went again into executive session, and J. W. Poland, of Carrollton, of the committee on the revision of the constitution and by-laws, brought in as the labors of the committee a number of amendments to the present constitution and bylaws. They were adopted by the association. After the constitution was adopted by unanimous vote, the usual resolutions of thanks were passed.

The next thing on the program was the election of offi-John F. Bannon, of St. Louis, placed the name of Taylor Frier, of Louisiana, in nomination. August Steinmeier, of St. Louis, nominated B. F. Naylor, of Marshall. Both nominations were seconded. Mr. Naylor, however, de-

clined the honor, and Mr. Frier was elected by acclamation, the rules being suspended for the purpose.

August Steinmeier and A. F. Geschwinder, of St. Louis, were appointed a committee to escort the newly elected president to the chair. On taking the chair, Mr. Frier said:

This comes as a surprise to me. I have not sought any office within the gift of the association except that of a private in the rear ranks. After my remarks to you yesterday on the subject of association loyalty, I feel that I cannot decline this office when unanimously elected thereto. preciate the high compliment you gentlemen have given me in making me your president, and while I do not promise to revolutionize things during my term of office, I will do what I can to the best of my ability in behalf of the association, and ask the co-operation and assistance of the membership. No one man can achieve success unaided in this work. We must have united effort. I pledge you my best efforts in your behalf, and ask for and expect assistance from every member of the association.

Ed. L. Wachter, of the Wachter Hardware Co., St. Louis, was elected vice-president. The following were elected executive committee:

- J. W. Poland, of Carrollton, for three years.
- F. A. Kansteiner, of St. Louis, for two years. F. H. Mayer, of Macon, for one year.

Z. T. Miller, ex-president of the National Retail Hardware Dealers' Association, was then introduced by H. G. Cormick, on invitation of President Frier. He delivered an extremely interesting address on "The Results of Organization," in the course of which he said:

The results thus far accomplished, the objects yet to be accomplished and the new issues the future will present along this line, show the great necessity of an effective National I wish I could impress upon you a proper Association. appreciation of its importance, the immense sacrifice of time and energy in your behalf by its officers, and arouse the spirit of support due this branch of your organization.

SPEAKS FROM A DISINTERESTED STANDPOINT.

I know by experience the labors attached to both State and National Association, and it has often appeared a mystery to me that so many fail to appreciate the work that is being done. I am not here as the representative of any State or National Association, in fact, I am entirely out of the Hardware business, and speaking from this entirely dis-interested standpoint, I would urge every Hardware dealer to be a member of some State association and through it contribute liberally to the support of the National Association. Those who have never been called upon to take part in the duties of the National Association have but little idea of the labors of its officers.

The thousands of letters that must be written by your national secretary in the course of a year, the time and study required by the peculiar nature of each case, together with the diplomacy and points of law involved, the getting out of the quarterly report, which is developing to where it alone requires almost the entire time of one man, and the many other duties devolving upon him, must certainly leave but little time to devote to his individual interests.

Inasmuch as all share alike in the benefits of this work, justice would naturally demand that its burdens be equally divided and the national secretary receive a salary fully compensating him for the time and energy devoted to this work. If every Hardware dealer would join his respective State association, and subscribe for the Quarterly Bulletin, their dues and subscriptions would supply an ample fund for such a salary to conduct the affairs of the association as they should It really passes my understanding how, in this day of association, any Hardware dealer can consider his business too unnoticeable a force to be felt or consider his personality above the need of association influences.

The following committees were then appointed:

Committee on Trade Abuse-B. F. Naylor, of Marshall, chairman; M. E. Wengert, Kansas City, and R. H. Myers, St. Louis.

Auditing Committee-W. T. Shoop, Richmond, chairman; M. C. Post, Brookfield; J. L. Boehl, St. Louis.

On motion, St. Louis was chosen as the next meeting place of the association.

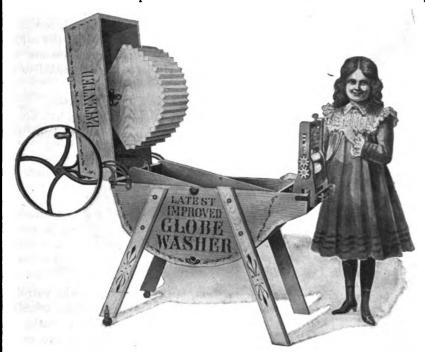
At 12:20 the convention went into executive session, and F. M. Neudorff was re-elected as secretary for the ensuing year. The convention adjourned at 2 p. m.

## HARDWARE TRADE, ATTENTION!

WE have recently acquired, by purchase, all patents and rights to manufacture THE GLOBE WASHING MACHINE, formerly made at Cincinnati, O.

We have made this addition to our line to be more fully equipped to meet the requirements of our customers.

We are also patentees and manufacturers of the following well-known washers:



The Latest Improved Western Washer.

The Latest Improved American Washer, Round.

The Latest Improved Wayne Washer. Round.

The Horton Rotary Washer, Round.

The Western Rotary Washer, Square.

CARRIED IN STOCK BY ALL LEADING JOBBERS.

If your jobber does not handle them, see one who does, or write us and we will see that you are supplied.

Catalogue mailed for the asking.

HORTON MFG. CO., Fort Wayne, Ind., U.S A.



FOR DOORS AND WINDOWS, ARE WELL MADE FROM GOOD MATERIALS BY

The A. J. Phillips Co., Fenton, Mich.





We are sole manufacturers of

### ## IMPROVED OVAL CHURN.

It is sure to give satisfaction for the following reasons:

Simplicity.

It's a quick Churner.

Dasher can be taken out without removing any castings. Substantially built of very best kiln dried white ash.

Excellent finish.

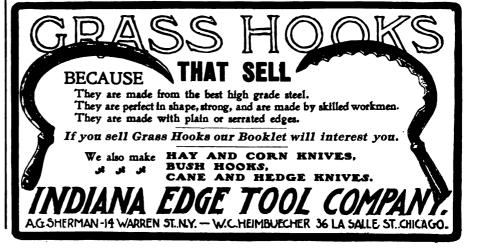
We also make a complete line of Ladders and Lawn Swings which we guarantee to be the best you can buy for the money.

We have had 15 years' experience. Our motto: Good goods and ourteous treatment.

We sell to dealers only.

GOSHEN CHURN & LADDER CO.

GOSHEN, IND., U.S.A.



#### (Continued from page 42.)

sheet steel, without the necessity for cutting the metal. They are reinforced on the edges and at the dumping point. The improved Malleable Iron Fork and Wooden Shoulder Saddle forming part of its construction, makes it easier for the user to carry, or to attach a piece of cloth should he so desire, to



OHIO WATER-TIGHT MORTAR HOD.

the under side of the saddle than previous styles placed on the market. One of its desirable features is a one-piece Malleable Iron Fork and Socket, which is used for holding the hardwood handle and taking up the shrinkage, which enables a broken handle to be readily replaced, and also to ship the hods knocked down.

#### Wilcox Velvet Roller-Bearing House Door Hanger.

Wilcox Mfg. Co., Aurora, Ill., who have long been known in the market as manufacturers of Hardware specialties possessing great merit as sellers, are placing before the Hardware trade their Velvet Roller-Bearing House Door Hanger, shown herewith. This Hanger embodying as it does the latest improvements in a specialty adapted for this purpose, is meeting with a wide and extended sale. It possesses among its numerous advantages the fact that it is very simple in construction; it may be readily applied by any mechanic,

it is designed to run on maple track with a rounded tread, is set in and securely fastened to the solid steel U-shaped channel. In its operation it is claimed to be perfectly noiseless and smooth running. The track is so constructed that its strength is more than double the ordinary steel house door hanger track, and it is claimed in addition that the shoe which comes in contact with the wheel furnishes that absolutely noiseless quality in the Hanger which recommends it strongly to the trade. This feature has been found very attractive to the builder and user of such goods, and has largely increased the sale. In price it is extremely moderate, and the manufacturers desire correspondence on the subject of its introduction, when all the particulars necessary will be furnished, and net prices will be gladly forwarded to the dealer.

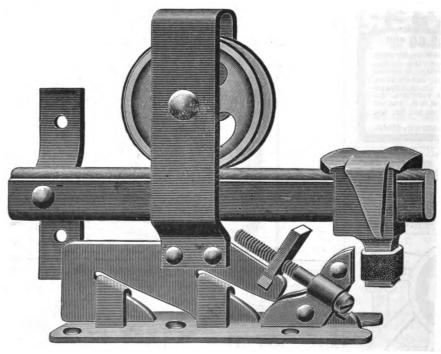
#### The Imhauser Watchman's Time Detector.

Laziness and the temptation to neglect is especially strong in night watchmen. Employees who work by day know that



THE IMHAUSER WATCHMAN'S TIME DETECTOR.

critical eyes are on them, but the watchman who patrols a factory in the dark hours is secure from human oversight and can find a dozen excuses for omitting to make the regular rounds. This state of things led long ago to the invention of mechanical checks to keep the watchman up to his work. Some of these devices were not without merit. Others were cumbrous and costly, requiring the frequent services of expert workmen to repair them. Others still could be and were tampered with by dishonest watchmen,



WILCOX VELVET ROLLER-BEARING HOUSE DOOR HANGER.

even if he has had but little or no experience in hanging doors, and this is a feature that will recommend its use. So many articles designed for this purpose are of such a complicated nature, even a skilled mechanic finds difficulty in properly adjusting the same. It is also claimed to be very strong and durable, but few pieces being used in its assembling, and under those circumstances is not likely to get out of order. The illustration gives a very clear idea of its component parts, its simple method of adjustment, and

so that the employers had no guarantee of faithful service. A near approach to perfection is made by E. Imhauser & Co., of 206 Broadway, New York, whose Watchman's Improved Time Detector is used in the United States Life Saving Service and was the only contrivance of its sort employed at the Pan-American Exposition. The Imhauser Detector was first made in 1869 by an inventor who was never satisfied with present achievement, but was always striving after something better. The present result of much study

is a clock with chronometer adjustment and works fully jeweled. It is protected by a dust proof cap and the outer edge is fitted with a safety knife blade lock attachment, which cuts the dial every time the clock is opened or closed. Tampering with such a clock is out of the question. There are 12 or 24 keys fitted to as many stations inside or outside the buildings guarded. Arriving at a station the watchman inserts the key in the keyhole and turns it to the right, once. A figure is punched on the dial at the exact time indicated by the clock. A single stamping spring made from finest steel is used. It is attached to the cover and is completely independent of the watchman. In many clocks carried by watchmen there is a separate spring for each station. The fault of this system is that the springs rust and stick together, so that all the stations are marked at once. Risk of fire is said to be so reduced when the Imhauser Clock is used that the underwriters make an allowance for from five to ten points in favor of the insured. This firm received the highest award at the Pan-American Exposition for their exhibit.

#### Eagle Pipe Wrench No. 1.

Frank Mossberg Co., Attleboro, Mass., are the manufacturers of the Eagle Pipe Wrench, full-size illustration of which is given herewith. It is certainly something new and novel in the line of wrenches, and is well described as being a complete departure from the forms previously in use. Primarily, it is a pipe wrench, but it is also adapted to a multiplicity of wants in other fields of work. It will be found an

only by the strength of the party using it. Another advantage, it will let go as quickly as it takes hold, no loss of time being made in adjusting it to the requirements of the work to be done. The manufacturers will be pleased to send full information in regard to this new and novel device, which will doubtless meet with an extended sale after its introduction.

#### The U.S. Mason Jar Wrench.

C. A. Powell, 387 Kinsman Street, Cleveland, Ohio, is offering the Mason jar wrench herewith illustrated. It is



THE U. S. MASON JAR WRENCH.

described as being constructed on the lever principle, designed to give an absolute grip and an equal pressure around the cover by means of an adjustable device. The handle is so connected to the claws or rings, it is explained, as to compress them with just sufficient force to overcome any tendency to slip, and yet not grip the cover with more pressure



admirable wrench for use in connection with automobile construction and repair. The Eagle Wrench is made from the best quality of hardened steel forgings, and will take any size of pipe or nut from 1/8 to 3/4 inch in diameter. As may readily be seen by reference to the accompanying cut, the construction is the simplest possible, requiring no adjustment, being always ready for use on any size of object within its range, while its grip is instantaneous and its tenacity limited

than is necessary, thus obviating the risk of cracking the glass or crushing the cover. It is pointed out that the wrench grips the cover around the top, so that the pressure is sustained by the glass disk, making it impossible to crack or break the jar. It is claimed that with the wrench a jar can easily be sealed air tight, and that no matter how tightly the cover may stick, it can be easily removed without prying under with a knife.

#### Help Wanted.

A. N. JACOB, 272 Bowery. New York. is in need of a well-posted Hardware clerk, who, if capable of filling the place, would receive a satisfactory salary and find a permanent position. Call and see him.

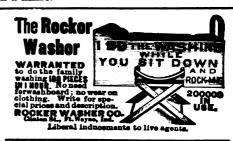
#### Situations Wanted.

HARDWARE CLERK.—A young man, aged 20 active and energetic, self-reliant and competent, would like a position in a wholesale Hardware store, where strict attention to business and ambitious application would merit early advancement. Address G. G., care HARDWARE, 275 Broadway, New York.

ADY BOOKKEEPER.—A young lady assistant bookkeeper or entry clerk, with moderate ideas as to salary, desires a place in a Hardware store, wholesale preferred. Has had several years' experience, and is fully competent. Address W. W. W., care HARDWARE, 275 Broadway, New York.

#### Side Line Wanted.

NEW YORK AND VICINITY.—A gentleman now representing a first-class line of Hardware would like to add one or more lines of importance for New York and vicinity. Best of references as to experience and ability. Address B. H., care HARDWARE, 275 Broadway, New York.





## ARE YOU INTERESTED IN SEED SOWERS?

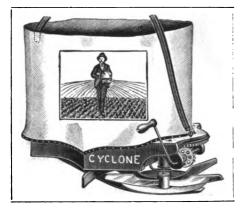
If you are we have a good proposition to make you.

Our Seeders have been on the market for over 25 years, and a large demand has been created by advertising.

## THE CYCLONE SEEDER

(Every one Warranted)

POSSESSES THE FOLLOWING POINTS OF SUPERIORITY:



1st. The machine is framed together in a manner to give it strength and durability.

2nd. It sows all kinds of grain and grass seed.

3rd. It has a slope feed board.

4th. It has a vibrate feed agitating seed from bottom which is the only correct way of agitation.

5th. It has crank shaft above distributing wheel—avoiding tiresome position of the arm and of seed being continuously thrown against hand.

6th. It has a distributing wheel 11 inches in diameter with 8 inch disk, cut and pressed out of a single piece of tin.

7th. It has an arch cut out of the side of machine so that machine fits easy and close to body and hangs in the most convenient manner, without any support or assistance of the hands.

Ask your Jobber for them.

## CHAMPION SEEDER CO., Urbana, Indiana, U.S.A.

## POULTRY NETTING

We purchased at Sale, 7000 bales, hexagon Poultry Netting, Galvanized. It is all put up 150 ft. to the bale, and is in GOOD CONDITION.

#### NOTE OUR PRICES:

| 2-INCH MESH. |        |      |      |      |      |      | 11/2- | INCE      | I ME | 1-INCH MESH. |      |        |      |      |
|--------------|--------|------|------|------|------|------|-------|-----------|------|--------------|------|--------|------|------|
| Wire<br>No.  | 30     | 19   | 18   | 17   | 16   | 15   | 14    | 80        | 19   | 18           | 17   | 80     | 19   | 18   |
|              | \$0.45 | 0.50 | 0.65 | 0.90 | 1.10 | 1.50 | 1.90  | \$0.60    | 0.70 | 0.90         | 1.45 | \$1.10 | 1.25 | 1.50 |
| 18           | •      | .75  | .98  |      |      |      | 2.85  | · · · · · | 1.05 |              |      |        | 1.88 | 2.25 |
| 24           |        | 1.00 |      | 1.80 |      | 8.00 |       | ١         | 1.40 | 1.80         |      | 2.20   |      |      |
| 80           |        | 1.25 |      | 2.25 |      | 8 75 | 4.75  | !         | 1.75 |              | 8.63 |        | 8.18 | 4.25 |
| 86           | 1.35   | 1.50 |      |      |      | 4.50 | 5.70  |           | 2.10 | 2.70         |      | 8.80   | 8.75 | 4.50 |
| 42           | 1.60   | 1.75 |      | 8.15 |      | 5.25 | 6.65  |           |      |              | 5.08 | 8.85   |      |      |
| 48           | 1.80   |      | 2,60 | 8.60 |      | 6.00 | 7.60  |           | 2.80 | 8.60         | 5.80 | 4.40   | 5.00 | 6.00 |
| 54           | 2.00   | 2.25 |      |      |      |      |       |           |      |              | 6.58 |        | 5.68 |      |
| 60           |        | 2.50 | 8.25 | 4.50 | 5.50 | 7.25 | 9.50  | l         | 8.50 |              |      | 5.50   |      |      |
| 66           |        |      |      |      |      |      |       |           |      |              |      |        |      |      |
| 72           |        |      |      |      | 6.60 |      |       |           | 4.20 |              |      | 6.60   | 7.50 | 9.00 |

Prices are per bale of 150 ft.

Sizes without prices mentioned are all sold out.

Terms, Net Cash F. O. B. Chicago for immediate acceptance only.

When you are in want of bargains write for our confidential CATALOGUE No. 357.

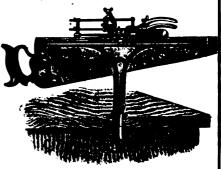
CHICAGO HOUSE WRECKING CO., West 35th & Iron Sts., CHICAGO.

IMHAUSER'S Watchman's Time Detectors That Cannot Fail.

Made with 12 or 24 different keys. Contain all the modern improvements. Warranted in every way. Cannot be tampered with, without detection. Manufactured by

E. IMHAUSER & CO., 206 Broadway, New York.
Write for Catalogue. Highest Award Pan-American Exposition.

## The Sterling Saw Set



Why? Because it will do what no mortal can accomplish. What? It will accurately file, set and joint a saw.

When used by man, woman, boy or girl—old or young.

Where? Any place you want to use it.

Price, 18 in. \$3.00, 24 in \$5.00. Sent to any address, express paid.

STERLING WRENCH CO., Rockford, III.



The Best Water Purifier EAGLE WATER STILL

Health & Comfort Supply Mig. Ca., Doct. O., CINCINNATI, O.

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## Good Friend-Good Wheels

Are very good at any time to handle;
But lots of kinds, there are, one finds,
To mine can't hold - - - A candle.







Model No. 70, 24 in. wheels, 16 1-2 in. frames. Model No. 80, 26 in. wheels, 18 1-2 in. frames

## Complete Juvenile Sets, Frames and Bikes.

#### **BELOW**

is a rear view of Model No. 90 Bicycle, fitted with Regas Spring Stays, brand new, simple, practical, and the great feature—PRICE. We don't offer something for nothing, but guarantee large and profitable returns to you who handle

## This, "The Latest," in Bicycles.

Nothing

complex or

intricate to

bother or

break.

Always and

forever

ready to

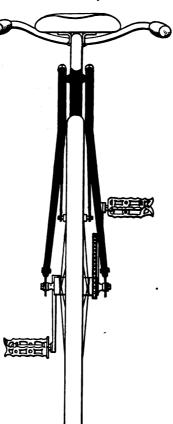
respond.

Road Bikes

For men and women.

Racing Machines

For speed.



delicate for your friend weighing 300 lbs. and adjusted to a nicety for you at 150 lbs. Complete sets Spring frame parts ready to build. or brazed and filed frame forks and constituent parts and equipments.

Not too

#### I HAVE

Unequalled facilities for doing all kinds of sheet metal stamping in iron, brass, copper and tin, and for the execution of standard or special shapes in screw machine products. I make models for patentees, Hardware specialties, special dies and tools, do general machine work, make small engines, boilers and tanks for automobiles, yachts and kindred purposes requiring small power plants. . . . . I am more than pleased at any time to receive inquiries from parties desiring estimates on work of this nature, and earnestly solicit the same.

JOHN R. KEIM, BUFFALO, N. Y.

Our output to July 1st, 1902, is entirely sold. This is so because those who have handled them know that

## Porter Screens are the Best.

If you want Porter Fly Screens for the coming season, order from your jobber before his stock is gone.

Accept no substitutes. There are none others "just as good."

PORTER SCREEN MFG. CO.,

Burlington, Vt.

#### THE C. DROUVE COMPANY, BRIDGEPORT, CONN.



MANUFACTURERS OF **Metal Skylights** Ventilators. Finiais,

Cornices and Sheet Metal Work of every description. Send for catalogue.



For Butler's Pantry Doors and all other Swing Doors the

#### "BARDSLEY" CHECKING SPRING HINGE

is unequaled. It closes the door with a soft, gentle and noiseless action and stops it at once at the center. It goes in the floor under the door.

Made in 6 Sizes.

CATALOGUE FREE.

JOSEPH BARDSLEY, 147 to 151 Baxter \$1.

Established

## ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York. Importers of

## HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED, PEUGEOT FRERES, COATES CLIPPER MFG. CO. ELEY BROS., LIMITED, L. HUGONIOT TISSOT, ISAAC GREAVES, W. K. & C. PEACE, R. & J. LINACRE, WEBSTER & HORSFALL, CAPS, WADS, CARTRIDGE CASES, BTC.
FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
SHEEP AND GARDEN SHEARS.
GRASS HOOKS, SCYTHES AND STRAW EMIVES.
GRASS HOOKS, SICKLES, BTC.
PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of the following brands of Cutlery. ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY Co., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER PRAZER & CO., JORES & CO.,

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1859

Toois, Cutlery and Springs.

CREWDRIVERS OF ALL KINDS

SEND FOR CATALOGUE

Every One

Something New THE HICHEST IN QUALITY



**KEYSTONE** 

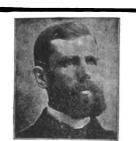
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Two:Styles 2 Round and Square



ROYAL SAW-SET.

Full View of Saw Teeth While Using.



PATENTED.

Special Size for Cross-Cut Saws "GIANT ROYAL."

Packed in boxes containing one-half dozen and cases containing one-half gross.

NEW AND NOYEL.

ALL WEAK POINTS OVERCOME.

FOR EITHER HAND OR BAND SAWS.

THIS CUT SHOWS SET IN USE FOR HAND SAW.



## THE UDELL WORKS.

INDIANAPOLIS, IND. STEP LADDERS, CLOTHES BARS, HOOK RACKS, FOLD-ING CLOTHES RACKS, TOWEL ROLLS, TOWEL ARMS, ROPE REELS, IRONING STANDS AND BOARDS, FOLD-ING TABLES, COMMODES, MEDICINE CABINETS.

W. A. STOKES & CO., 30 Warren St., New York. UDELL-SAMSON WOODENWARE CO., 501 N. Main St., St. Louis, Mo.

#### ABATE THE SMOKE NUISANCE

In the house, by mounting the

## Iwan's Volcano Revolving Chimney-Top.

For creating a strong upward draught in all kinds of weather, the only perfect top on the market . . . . Attractive in Appearance. Simplest. Most Satisfactory.

IWAN BROS., Streator, III.



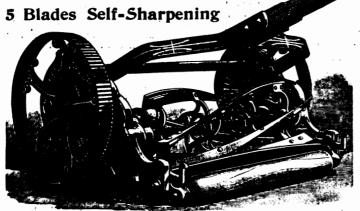
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First Award, Gold Medal, Pan-American Exposition, 1901, on our Full Line Lawn Mowers

## Pennsylvania, Jr. Ball Bearing Mower



OUR FULL LINE

Standard Lawn Mowers of the World Have taken FIRST prizes wherever exhibited

Supplee Hardware Company

Largest Manufacturers of Lawn Rowers in the World PHILADELPHIA, PA.

### HARDWARE DEALERS' RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improver he gladly received, and promptly published.

#### Incorporations, New Stores, etc.

Beatrice, Neb.-The Kees Hardware Co. has been incorporated, with a capital of \$10,-OOO.

Dunn, N. C .- M. L. Wade.

El Dorado, Ark.—The Garrison-Alphin liams. Hardware Co. of El Dorado, has been incorporated. The capital stock is named as \$10,000, and the president of the new concern is A. L. Alphin.

Elgin, Ill.—Hawthorne Hardware Co. has been incorporated. Capital stock, \$15,000; incorporators, George E. Hawthorne, Richard J. Hawthorne and Herman H. Juby.

Hamlin, Ia.-Johnson & Carstensen.

English-Slaten Jerseyville, Ill.—The Hardware Co. have filed articles of incorporation. The capitalization of the company is \$15,000. The company succeeds the firm of A. O. Auten & Co.

Morgantown, W. Va.—Barbee & Davis.

Kilbourn City, Wis.-Snider Hardware Co. has been incorporated. Capital stock, \$170,000. Incorporators, Charles W. Snider, Frank R. Snider and Merwin E. Brewer.

Morgantown, W. Va.-H. C. Baker Hardware Co. has been incorporated for conducting a wholesale and retail Hardware business, and for manufacturing Hardware. The authorized capital stock is \$25,000. The incorporators are: A. Baker, Ida E. Baker, John H. Krepps, Dora A. Krepps and John E. Jacobs, all of Morgantown, W. Va.

Newcastle, Ind.-Walter Hayes.

New York, N. Y .- W. E. Pruden Hardware Co. has been incorporated. Capital, \$50,000, and directors: G. N. Shafer, of Brooklyn; C. F. Mills, of New York city, and A. A. Furman, of Clifton, N. J.

Oklahoma City, Okla.—The Oklahoma Hardware Co. has been incorporated for a period of twenty years, and with a capital stock of \$100,000. The directors are H. C. Armstrong, H. F. Knebel and E. L. Hirschi.

Union City, Tenn.—The Union City Hardware and Furniture Co. has been incorporated, capital, \$18,000. The incorporators are T. B. Greer, J. A. Reaves, W. D. Fry, Capt. William Askins, Capt. John Bell and J. F. Gregory.

Roanoke, Va.—A charter has been granted to the Nelson Hardware Co. of this city, composed of A. M. Nelson, president; M. Nelson Myers, of Lexington, vice-president; A. M. Nelson, general manager, and George R. Moore, secretary and treasurer. The capital stock shall not exceed \$50,000, nor be less than \$30,000.

Saratoga Springs, N. Y .- Farmer Hardware Co. has been incorporated, with a capital of \$10,000 and these directors: Malcolm G. Annis, John H. Mabbett, and John Youngflesh, of Saratoga Springs.

South Norwalk, Conn.—The Hubbell and Staples Hardware Co., successors to the firm lumbia branch in Chicago.

of Hubbell & Keeler, has been incorporated. bell, William G. Staples and Rutherford B. possession. Keeler.

been incorporated; capital stock, \$20,000; of M. G. Kozer, and the place will now be incorporators, L. F. Woody, B. F. Quicksall, R. P. Goodman, Jr., and S. D. Wil-

#### Changes.

Brewer, Me.-Fred E. Thomas, manufacturer of the Dirigo fishing rods, is to move his business to Bangor on or about March 1st.

Burlington, Vt.-The change of the name of George I. Hagar to that of Hagar Bros. has become a fact, and in the future that well known Hardware business will be conducted jointly by Henry H. and Charles H. Hagar, both of whom have been in the store for several years and are thoroughly conversant with the details of the business.

Calmar, Iowa.-J. J. Sobolik, of Cresco, has purchased the Hardware stock of Miller & Webber.

Burlington, Vt.-Wilmot E. Mayhew has moved to Carr block.

Cleveland, Tenn.-W. M. Bryant has purchased the Hardware stock of Hall Bros. and will continue the business at the same

Cleveland, O.-The George Worthington Co., Hardware dealers, have purchased the building on St. Clair Street in which the company has been doing business for years.

Columbus, Miss.-J. C. Broyles has removed to Birmingham, Ala.

Cooperstown, N. Y.-J. Warren Lamb has sold the Hardware business conducted by him for twenty-six years to W. L. McEwan.

Cresco, Iowa.-V. E. Strayer has bought out the Hardware firm of Anderson & Gunderson, and expects to move his family there

Evart, Mich.-E. F. Birdsall and F. S. of Saginaw, their local Hardware business known as the E. F. Birdsall Co., limited.

Fulton, S. D.-H. H. Holmes has sold his Hardware business to A. E. Jackson and E. A. Jackson.

Glasgow, Mo.-The W. P. Dautel Hardware Co. have been succeeded by Ervin E. Rall becoming the new proprietor through the purchase of the stock.

Hamilton, O.-Neiderman Cycle Co. have purchased business of Sherring & Coch-

Hamilton, O.-The Holbrook Hardware Co., a new company just organized, have Loss \$5,500; insurance, \$4,000. closed a deal for the well known Cass Hardware Co., formerly the Smyers store, and the oldest in the city.

Hartford, Conn.-M. J. Budlong has been elected treasurer of the Electric Vehicle Co. He was for many years manager of the Co-

Homer, N. Y.-Charles Radway and Will The company is capitalized at \$18,000, the Nixon have purchased the bicycle store of stock being divided between James E. Hub- Edward Richerson, of Cortland, and taken

Iowa City, Iowa.-Lee Kozer and R. C. Waco, Tex.-Central Hardware Co. has Zeller have purchased the Hardware stock run under the firm name of Kozer & Zeller.

> Lexington, Ky.-A firm to be known as Brock & Co. has purchased the stove and Hardware business of J. T. Vance, which is located on Main street, near Broadway. The purchasers are: L. B. and W. B. Brock and Prof. J. H. Connells, director of the Experiment Station, at Bryan, Texas.

> Newberry, Pa.-The Hardware store, No. 52 Arch street, which has been conducted by D. W. Fletcher for the past ten years, will change hands April 1. James Cockburn has bought out the concern.

> Oakesdale, Wash.-Both of Oakesdale's Hardware firms have had a dissolution of partnership. J. B. Scott has retired from the firm of Scott Bros. and J. W. Johnson is now sole owner of the business conducted by Kay & Johnson.

> Tex.—Allen-Wilkes Paris. Hardware Co. has filed an amendment to its charter changing its name to M. F. Allen Hardware

> Pendleton, Ore.—The well known firm of Hansford & Thompson, dealers in Hardware, will hereafter be the Thompson Hardware Co.

> Unadilla, N. Y .- S. D. Haight has purchased the Hardware stock of C. H. Steb-

> St. Cloud, Minn.—Thielman Bros. will succeed to the Hardware business of L Thielman.

> Warwick, N. Y .-- James B. Lawrence has sold his interest in the Hardware firm of Colwell & Lawrence to his son, Wilbur L Lawrence.

Wells Bridge, N. Y.-A. A. Sisson has sold his Hardware and drug business there to L. G. Quackenbush & Son, who will con-Postal have purchased from Morley Bros., tinue the business. Possession given at

#### Embarrassments.

Kewanee, Ill.—A petition of involuntary bankrupcty has been filed against David F. Fuerst, Hardware dealer.

Waynesville, N. C .- The Haywood Hardware Co. have made an assignment. W. J. Haynes is assignee. The assets are about \$4,000 and the liabilities probably \$300.

#### Recent Fires.

Boyd, Minn.-A. G. Nelson.

Crab Orchard, Neb .- F. M. Sherrett.

Hill City, S. D.-Coats' Hardware store. Lyons, N. Y.-George A. Tromer. Loss \$1,500; fully insured.

Paterson, N. J.-J. A. Van Winkle Co.

#### Burglaries.

Columbus, Neb.—Herman Oehlrich, cutlery.



WHEN YOU SEE



# WARISTES

BEARING THIS LABEL

You may be sure

they are the best made.

CARRIAGE VARNISHES,

RAILWAY VARNISHES,

PIANO VARNISHES,

**WOOD FINISHES** 

VARNISHES AND JAPANS OF ALL GRADES, AND FOR EVERY USE KNOWN.

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NEW YORK, 252 PEARL ST., BOSTON, 520 ATLANTIC AVE., BALTIMORE, 22E. LOMBARD ST. PHILADELPHIA, 26& 28 N. FOURTH ST., CHICAGO, 15&17 LAKE ST., CINCINNATI, 304 MAIN ST., ST. LOUIS, 112 FOURTH ST., SAN FRANCISCO, 12 FRONT ST.

FACTORY & MAIN OFFICE, DETROIT.

IF YOU HANDLE VARNISH IT WILL PAY YOU TO DROP US A LINE.

## KNIVES

Shoe, Butcher and Kitchen Cutlery, Carpenters' Drawing Knives, Screw Drivers, etc.

end for lilustrated Catalogue of Full Line.

C. J. KIMBALL CO.,

BENNINGTON, N. H.,

IT SELLS ON SIGHT!

A HOUSEHOLD NECESSITY!

THE

Dandy Shiner

> LIGHTEST! NEATEST! MOST PRACTICAL!

And the only rigid Shoe-holder.

It holds any size shoe perfectly rigid while being cleaned and polished with cloth or brush. High friction polish cannot be obtained by bending over the old blacking box.

The Dandy Shiner fills the bill. Has two lasts—men's and women's; can be re-

moved quickly when not in use; it is a splendid shoe stretcher; it is nickel plated; it is a household necessity.

The Dandy Shiner Co.,

87 Quincy Street,

Springfield, Mass.



Comple'e with Ladies' and Men's Lasts.

Hardware Stores.

Liberal Discount to the Trade.

Price, \$1.00

## HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers over the country, are requested to contribute to this page. News of new factories or companies, changes improvements, etc., will be gladly received, and promptly published.

**56**-

#### New Incorporations, Etc.

Baltimore, Md.—The Monumental Manuspecialties, has been incorporated by Jacob in the near future from \$250,000 to \$300,000. W. Hook, Walter Snyder, Charles Hook, C. Howard Hook and Stanley K. Green. The capital stock is \$50,000.

Buffalo, N. Y.-John E. Smith's Sons Co. has been incorporated to manufacture can- Detroit and occupy the building originally ner's tools, etc.; capital, \$100,000. Directors, Edwin R. Smith, Alfred F. Smith and March 1. Matilda Smith, of Buffalo.

been incorporated to manufacture Hard- four-story factory. ware; capital, \$125,000.

Phelps, N. Y.-A new manufacturing company has been organized here to be known as the Lawrence-Bostwick Manufacturing Co., limited. The new company succeeds the S. M. Lawrence Co., and will manufacture the new star cream separator, a general line of tinware and specialties. The officers of the company are: G. H. Parmalee, president; R. E. Connolly, vicepresident; W. A. White, secretary and treasurer; S. M. Lawrence, superintendent; J. R. Bostwick, general manager.

Pittsburgh, Pa.-The McKinney Manufactoring Co., extensive manufacturers of hinges, door hangers and kindred products, at Allegheny, will be incorporated. Material extensions to the present works are being considered.

#### Changes and Improvements.

Bristol, R. I.—The new industry that has located in the brick building known as the "old sugar house," will commence the manufacture of metallic frame window screens. The firm will employ about a dozen hands in starting up, but intends to increase the number after the work is well under way. The company consists of Ezra Dixon, Jr., of this town, and Edward Prest, of Boston.

Cleveland, O.-E. W. Bissell and others, the owners of the Standard Lighting Co., have transferred their property and factory buildings on Perkins Avenue to the incorporation which now controls the vapor stove business of the country.

New Britain, Conn.—The Landers, Frary & Clark Hardware works will put up a large addition to its factory on the lot in the rear of the present buildings facing on Winter Street. The building will be two stories high and will contain a rolling barrel and storage rooms. Work on it will be commenced in the Spring.

the rear of its buildings on Church Street treasurer, O. B. Wilmarth. near the railroad track.

Streets.

Piqua, O.—The capital stock of the Fafacturing Co., for manufacturing tin vorite Stove Range Co. will be increased

> Sidney, O.-The A. P. Wagner Tool works, now employing a large number of hands in the manufacture of machine tools such as lathes, etc., will remove to North erected for the Universal Elevator Co., on

Terryville, Conn.—The Eagle Lock Co. New York, N. Y.—Vom Cleff & Co. has is to double its plant by the addition of a

#### Miscellaneous.

Bloomington, Ill.—At the annual meeting of stockholders of the Cooperative Stove Company the following directors were chosen: E. M. Hamilton, C. A. Hamilton, John W. Hayes, E. C. Hewett, A. C. Hamilton, Henry Capen, Frederick Riegger, Otto Seibert, William Partridge, E. E. Donnelly, and J. W. Aldrich. The directors elected these officers: President, John W. Hayes; vice-president, E. C. Hewett; secretary, E. M. Hamilton; superintendent and treasurer, A. C. Hamilton. It was voted to issue proceeds for the enlargement of the plant secretary and treasurer, Geo. M. Landers. and increasing its capacity.

E. A. Peck, secretary and treasurer.

election of the following officers: President, Wm. T. Baker; vice-president, William H. John R. Lewis.

recently formed American Stove Co., the mand and D. H. Patty. Following the meet- Elroy, secretary. ing of the stockholders the board of directors elected Daniel H. Henry, president; O. J. C. Ross, vice-president; Albert Fermand, secretary and treasurer.

Grand Rapids, Mich.—At the annual meeting of the Grand Rapids Hand Screw Co. the following board of directors were re-elected: W. C. Winchester, A. A. De Lisle, O. B. Wilmarth, W. B. Bennett and L. T. Wilmarth. Officers were elected as New Britain, Conn.—The Stanley Rule follows: President, W. C. Winchester; vice-& Level Co. will erect a factory addition in president, A. A. DeLisle; secretary and

Kansas City, Mo.—The Kansas City Bolt Philadelphia, Pa.-J. E. & A. L. Pennock, and Nut Co. held its annual election of dibuilders, have been awarded the contract for rectors and officers recently. The directors

the construction of the Pneumatic Tool are J. H. Sternbergh, of Reading, Pa.; P. H. works, at Twenty-first and Lippincott Sternbergh, W. H. Warren, Solomon Stoddard and Joseph V. Kendall, of Kansas Portsmouth, O .- The Portsmouth Stove City. These directors met immediately afand Range Works are having plans drawn ter their election and re-elected the old for a new addition to their present building. officers of the company-J. H. Sternbergh, president; P. H. Sternbergh, vice-president and treasurer, and W. H. Warren, secretary.

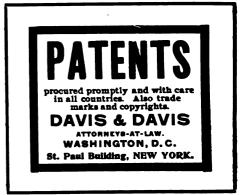
Le Roy, N. Y.—At the annual meeting of the Le Roy Plow Co., the following directors were elected for the ensuing year: B. Ward, O. F. Woodward, C. N. Keeney, P. Gleason, Edward Hall, T. W. Larkin.

Meriden, Conn.—At the annual meeting of the stockholders of the Miller Bros. Cutlery Co., the following directors were reelected: Charles L. Rockwell, George W. Lyon, Charles F. Rockwell and George Rockwell. The officers re-elected by the directors were as follows: President, Chas. L. Rockwell; secretary and treasurer, Chas. F. Rockwell.

New Britain, Conn.—At the annual meeting of the stockholders of Landers, Frary & Clark, held at the office of the company, the following were chosen directors: Francis B. Cooley, James L. Howard, Pliny Jewell, Henry E. Russell, Charles F. Smith, Geo. M. Landers, Andrew J. Sloper, Lucius A. Barbour, Henry C. Judd. At the meeting of the board of directors held subsequently the present officers of the company were reelected as follows: President, Charles F. \$20,000 more of company stock and use the Smith; vice-president, Francis B. Cooley;

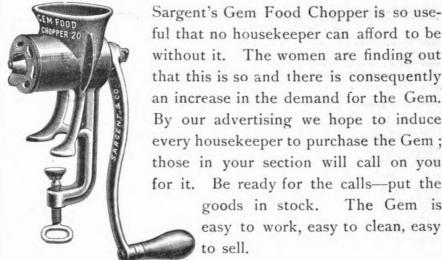
Parkersburg, W. Va.—The stockholders Cohoes, N. Y.—The Peck Edge Tool Co. of the Parkersburg Wire and Nail Mfg. Co. have elected the following officers: F. W. met recently at their office in this city and Peck, president; E. S. Peck, vice-president; the following named gentlemen were elected a board of directors: C. C. Wentz, C. A. Frankfort, N. Y.—The annual meeting of Hayhurst, R. H. Rutherford, W. H. Ruththe Continental Tool Co. resulted in the erford, J. H. Nichols, E. G. Morton, G. W. Wentz, Wm. Miller, J. W. Wolfe.

Wrightsville, Pa.-The stockholders of Roberts; secretary, E. B. Odell; treasurer, the Wrightsville Hardware Co. held their annual election of officers recently. The di-Geneva, N. Y.—The newly re-organized rectors are Henry Birnstock, Henry McEl-Geneva Cutlery Co., with a capital stock of roy, John Filbey Harry McElroy and How-\$50,000, met and elected officers, recently. ard Keller. At the stockholders' meeting Directors: O. J. C. Rose, D. H. Henry, W. the directors reorganized by electing Henry J. Dove, J. I. Maxwell, Charles D. Vail, H. Birnstock, president; Henry McElroy, treas-E. Merrell, Patrick O'Malley, Albert Fer- urer and general manager, and Harry Mc-





# They will call on you for it



ful that no housekeeper can afford to be without it. The women are finding out that this is so and there is consequently an increase in the demand for the Gem. By our advertising we hope to induce every housekeeper to purchase the Gem; those in your section will call on you for it. Be ready for the calls-put the goods in stock. The Gem is easy to work, easy to clean, easy

SARGENT & COMPANY,

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FIRSTS

JOB LOTS

A. N. Jacob, 272 Bowery, New York.







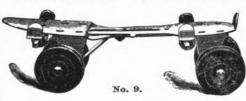
Scrapers.

MADE ONLY BY

TOOL CO., IOWA FARMING

FORT MADISON, IOWA.

# ROLLER SKATES.



### A Full Line for SIDEWALK AND RINK.

Send for Catalogue.

Union Hardware Co.,

TORRINGTON, CONN.

N. Y. Office in charge of TOWER & LYON 95 Chambers St., New York.



Send for DESCRIPTIVE CIRCULAR and PRICE LIST.

# BICYCLE AND SPORTING GOODS RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, imments, etc., will be gladly received, and promptly published.

#### New Companies, Agencies, Etc.

New York, N. Y.—Non-Slipping Rubber Tire Co. has been incorporated. Capital, \$100,000, and directors: Alonzo B. Cornell, Alfred F. Mansfield, of New York city; Clarence E. Welphey and J. Ballou Anthony, of Brooklyn, and John R. Townsend, of Arlington, N. J.

#### Changes and Improvements.

Indianapolis, Ind.-Carl G. Fisher, the progressive motor vehicle and bicycle dealer, has turned his business into a stock company, incorporated for \$10,000 under the name of the Fisher Automobile Co. The purposes are to handle motor vehicles, bicycles. carriages, buggies, etc., in Indianapolis and the State of Ohio, and to appoint agents in other States and foreign countries. The directors are Horace L. Hewitt, Carl G. Fisher and Merton H. Bintley.

Indianapolis, Ind.—The Mohawk Bicycle Co., which makes the Rumsey bicycles, has decided to cease the manufacture of motor bicycles and contemplates engaging in the manufacture of automobiles.

Ithaca, N. Y.—The new annex to the south end of the Ithaca Gun Co.'s factory at Fall Creek is nearly completed, and the company expects to be running with its merly interested in the concern, has purincreased capacity early this month. The chased the unfinished stock and material of addition to the factory is 90 feet long and the bankrupt Cooperative Cycle & Motor will furnish more space for every department of the business.

Los Angeles, Cal.—The W. H. Hoegee the entire business of the E. H. Crippen 587 Main Street. Cycle & Supply Co., of the same city.

Milwaukee, Wis .- The Merkel Mfg. Co., heretofore owned by George Merkel, is now an incorporated stock company, incorporated under the laws of the State of Wisconsin, with \$37,000 capital stock. At a meeting of the stockholders the following officers were elected: President, Theo. Jonas; vice president, O. C. Uehling; secretary and treasurer, W. J. Merkel; manager, J. F. Merkel. George Merkel, who has been the mainstay of the firm so far, will not take an active part in the business of the company, owing to the pressure of other affairs. The new firm is particularly fortunate in securing the support and services of Mr. Jonas, who is a leading Milwaukee bicycle builder and dealer.

Ord, Neb .- Morris & Stroup, handling bicycles, etc., have been succeeded by P. S.

Port Clinton, O.-William Coger, bicycle dealer, has been succeeded by Coger Bros.

preme Court has granted an order dissolv- port Fire Arms Co., the following directors ing the Rochester Cycle Manufacturing Co. were chosen: Amos T. Otis, William H.

of which amount \$14,601.10 is in cash.

St. Louis, Mo.—R. J. Leacock, who has department of the Norvell-Shapleigh Hardware Co.-formerly the Shapleigh Hardconnection with that concern and made arwill be interested financially and personally, and of which he will have the entire management. The name of the new con-St. Louis. It will be jobbers' and manufacturers' agent for bicycles, cycle sundries and supplies, automobile sundries, grapholeased at 711 Pine Street, and the company is now getting out a catalogue.

Sherburne, N. Y.-Curtis Herriman has cycle repair shop.

Springfield, Mass.—National Automobile handle bicycles, also.

Springfield, Ill.—Overtake, Morton & Hoblit succeed Overtake, Curry and Hoblit.

Terre Haute, Ind.—A. Chaney & Brother have moved to Swope Block.

Toronto, Ont.-W. G. Nott, who was for-Co., St. Catherines, Canada, and set up himself, at 15 Alice Street, Toronto.

Waltham, Mass.-Ralph Worcester suc-Co., dealing in cycle supplies, has bought ceeds John Grossman and has moved to

Waltham, Mass.—The capital stock of the Waltham Mfg. Co. has been increased from \$300,000 to \$600,000. H. C. Williams has Gould. been elected president, L. B. Gaylor, general manager, and M. P. Clough, treasurer.

Washington, D. C.-J. C. Wood succeeds N. W.

Waterloo, N. Y.-Howard F. Burbridge succeeds John Haight.

Westport, N. Y.-G. W. Spencer has removed to Round Lake, N. Y., where he will er, Robert Croasdale and F. S. Scott. continue business.

#### Embarrassments.

New York, N. Y.—A petition in involuntary bankruptcy has been filed against Alexander Sirlyn and Benjamin Rubenstein, doing business under the style of the Standard Sporting Goods Company, at 163 Washington Street. Liabilities, \$8,000; assets, \$5,950.

#### Miscellaneous.

Norwich, Conn.—At the annual meeting Rochester, N. Y.—The New York Su- of the stockholders of the W. H. Daven-The application was made by the directors. Davenport, Charles D. Gallup, Henry H. heavy damage by fire.

The court was informed that the company Gallup and Walton C. Davenport of Noris solvent, the assets being placed at \$20,000, wich, and H. M. Whittemore of New Haven. The directors elected the old board of officers, as follows: President, Amos T. been for the last six years buyer for and Otis; vice president, W. H. Davenport; manager of the bicycle and outing goods treasurer, H. H. Gallup; secretary and general manager, W. C. Davenport.

Norwich, Conn.-At the annual meeting ware Co.-of St. Louis, has severed his of the stockholders of the Hopkins and Allen Arms Co., directors were elected as rangements to start a business in which he follows: Arthur H. Brewer, Charles H. Osgood, Horace A. Briggs, Charles B. Lee, Frank T. Brown, Willis A. Briscoe, Charles H. Preston, Frederic Forehand, Archibald cern is the R. J. Leacock Supply Co., of Mitchell. At a subsequent meeting of the directors, officers were elected as follows: President, Arthur H. Brewer; vice president, Charles H. Osgood; secretary-treasphones, tennis and baseball goods, novelties urer and general manager, Charles B. Lee; and sewing machines. A building has been executive committee, A. H. Brewer, C. H. Osgood, C. B. Lee, C. H. Preston and F. T. Brown.

Pittsfield, Mass.—James Durkee has been added an enameling department to his bi- making a number of improvements in his bicycle shop in Fenn Street.

Port Huron, Mich.—A new \$100,000 con-Supply Co., 100 Worthington Street, will cern to be known as the Port Huron Steel & Screw Co. has been organized in this city to manufacture screws, shafting and drawn steel articles, such as bicycle pedals. Mortimer Wright and Willard Parker, the principal stockholders of the United States Drawn Steel Co. of Buffalo, are interested, and the Buffalo plant will be moved to this city and merged into the new company. Port Huron capital is largely interested.

Rochester, N. Y.-At the annual meeting of stockholders of the Century Camera Company, the following officers and directors were elected to serve for 1902: J. M. Walmsley, president; G. E. Mosher, secretary; G. J. MacLaughlin, treasurer; directors, J. M. Walmsley, G. E. Mosher, G. J. MacLaughlin, H. W. Locke and George H.

Syracuse, N. Y.—At the annual meeting of the stockholders of the Syracuse Arms Co. the following directors and officers were W. T. Robertson & Co., 429 Tenth Street, elected: President, E. N. Trump; vicepresident, Fred S. Scott; treasurer, F. S. Wicks; secretary, James M. Colwell; directors, George Timmins, James M. Colwell, F. S. Wicks, E. N. Trump, R. S. Fry-

Toledo, O.-At the Gendron Wheel Co.'s annual meeting they elected these officers: President, John Showel; vice president, Peter Gendron; secretary, Josh F. Vogel; treasurer, George M. Vogel; directors, E. D. Scheble, C. F. Adams, H. E. Fisher and the four first-named executive officers. The president is a new man, succeeding the late George Fisher.

#### Recent Fires.

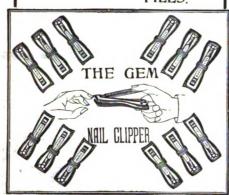
Washington, D. C .- P. J. Mendell, 1728 Seventh Street, N. E., slight fire damage.

Worcester, Mass.-Charles E. Stebbins.



# The GEM NAIL CLIPPER

CUTS, CLEANS, FILES



Mounted 12 on card like the illustration. They make an attractive show and sell like hot cakes

SAMPLE BY MAIL, 25 CENTS.

The POPULAR Manicure

Perfect for removing hang nails. Send for circular and prices.

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ANSONIA, CONN.

Please mention "HARDWARE."

AT THE FRONT

# The Morrow Goaster Brake.

Greatest Labor Saver.

ECLIPSE MFG. CO., Ave. 15, ELMIRA, N. Y.

Bicycle, Sleigh, House, Hand, Rotary Door

Send for Catalogue and Price-List. STARR BROS. BELL CO., takthampton, Conn., U.S. A.

THE

## FEARN CASEMENT FAST

Especially useful on Hinged Cellar and Attic Sash.

It draws the Sash or Door to place even if sprung ¼ in., or latches if shrunk or sagged. Only two screws used in applying it.

If carelessly put on it does the work anyway. Applicable to right or left hand, top or bottom.

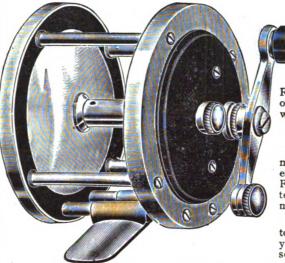
The Columbus Sash Ribbon Co., COLUMBUS, OHIO.



For Bicycles, Guns, Typewriters, etc. The best and neatest Oiler in the market. DOES NOT LEAK. The "PERFECT" is the only Oiler that regulates the supply of oil to a drop. Is absolutely unequalled. Price, 35c. each.

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We are now manufacturing a com-plete line including all the popular styles and sizes: Brass, Nickel, Ger-man Silver and and Rubber, suitable for all kinds of fishing, either salt or fresh

40, 60, 80, 100, 150, 200, 250, 300, 350 Yards.

The foreman of this department has had 25 years experience in the manufacture of Fishing Reels, and we guarantee our goods the finest in the market.

Prompt Shipments. Be sure to get our prices before placing your orders for the coming sea-

THE ENTERPRISE MANUFACTURING CO.,

Largest Manufacturers of Fishing Tackle in the United States. AKRON, OHIO.

> Climax Spring Wire

The first hygienic saddles marketed. Have stood the test of years' use. Are unequalled for strength, durability, lightness, speed and comfort.

> We also make **AUTOMOBILE**

WAGON SEATS.

Do not fail to get our catalogues and prices.

CLIMAX MFG. CO.,

EAST HAMPTON, CONN.

SOLD EVERYWHERE BY EVERY BOD' MANUFACTURED BY NEW DEPARTURE BELL CO. BRISTOL, CONN. U.S.A. SELLING AGENTS

JOHN H. GRAHAM & CO.

NEW YORK CITY.



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Search-Light Vapor Lamps,

You will get a lot of orders. Every Lamp is fully guaranteed. WRITE FOR ILLUSTRATED PRICE-LIST. 175 E. Division St., Chicago, Ill.

"WILLOUGHBY" COKE AND COTTON SEED FORKS.



Are made exclusively from highest grade crucible steel manufactured expressly for our requirements.

Using only High Grades of Steel manipulated by the most approved methods and machinery, and by skillful workmen, we stand pledged to a high standard of excellence in all our various products.

Ask for catalogue and prices—they are interesting.

THE WILLOUGHBY FORK & MFG. CO.

Willoughby, Ohio.







#### Hardwaremen's Exchange.

Notices of HELP WANTED or SITUATIONS WANTED will be inserted in this column free of charge. Should not exceed Four Lines. Notices of SIDE LINE OFFERED, SIDE LINE WANTED and ALL OTHER NOTICES, twenty-five cents per line.

#### Help Wanted.

HARDWARE SALESMAN.—A salesman acquainted with the wholesale and large retail Hardware stores of the United States and Canada, to sell specialties in Builders' Hardware and Refrigerator Trimmings. Address, stating age, experience, salary expected, and references, Brass Goods, care Hardware, 275 Broadway, New York.

#### Situations Wanted.

ACCOUNTANT.—Pesition wanted by an experienced accountant and cashier. Open for engagement February first. Highest references as to character and ability. Address L., Box 1066, Derby, Conn.

A FIRST-CLASS ACCOUNTANT, book-keeper and cashier, understanding office work in every particular, desires to connect himself with some house, where integrity and strict attention to business would meet with fair compensation. Address P. P. P., care HARDWARE, 275 Broadway, New York.

A SSISTANT BUYER or ACCOUNTANT.—Young man (23) with long experience in Hardware and marine business, desires a position with a large concern where by strict attention to business he may receive advancement A I references. Address ACCURATE, care HARDWARE, 275 Broadway New York.

BOOKKEEPER, middle-aged, desires position. Has a thorough knowledge of all details of office work, quick, accurate and reliable, and has first-class record. Is acquainted with the manufacturers of metal goods and foundry work; accustomed to control work people, and to obtain best results. Address Mellor, care Hardware, 275 Broadway. New York.

BOOKKEEPER thoroughly experienced and competent to take entire charge of office, desires position. First class references Address H. G. T.. care HARDWARE, 275 Broadway, New York.

COST CLERK.—Young man, experienced and able to install a complete "Cost of Production System." Highest references and bond given. Address "Systematist," care Hardware, 275 Broadway, New York

New York

HARDWARE BUYER, MANAGER OR SALESMAN.— A practical and experienced Hardware man wants position January first as buyer, manager or salesman. Understands architectural plans. Address, Burr, care HARDWARE. 275 Broadway, New York. 281

HARDWARE CLERK.—Hardware man of experience and ability wishes to locate with some house in any capacity where his work will be appreciated. Address Burton, care HARDWARE, 275 Broadway, New York.

HARDWARE CLERK.—Hardwareman experienced as clerk, book-keeper, buyer and manager in retail store, desires position with wholesale or retail store, or on the road. Best references as to ability and character. Address R. C. WENCK, Newberry, Pa. 302

HARDWARE SALESMAN of 15 years' experience, thoroughly acquainted with the wholesale trade throughout the United States and Canada, is open for engagement January first. Highest reference from last employer. Address H. J. Benson, Bethel Church, Lancaster, Pa.

HARDWARE SALESMAN.—A young man of wide experience in buying and selling Hardware, desires to connect himself with a progressive manufacturer who appreciates the value of brain and intelligence. Address W., care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN.—An AI specialty salesman wants to represent some good firm in Cleveland and nearby trade. No traveling. Address CLEVELAND, care HARDWARE 275 Broadway, New York.

#### Situations Wanted.

HARDWARE SALESMAN.—Experienced Hardwareman wants position as salesman (road or store). New York State preferred. Thoroughly conversant with Builders' Hardware, Mechanics' Tools and Supplies, Farm Implements and General Machinery. First class references Address A. A. P., care HARDWARE, 275 Broadway, New York.

TRAVELING SALESMAN.—Position by man of fourteen years' experience on the road, with large acquaintance in the Middle West, with correct habits, and AI references in line of Hardware Specialties, Housefurnishing Goods or other staple line. Address Ohio, care HARDWARE, 275 Broadway, New York

TRAVELING SALESMAN.—One of the most popular Hardware salesmen traveling in the South and Southwest wants a position January first. Has knowledge of all Hardware lines, especially experienced in Builders' Hardware, Guns and Cutlery. Address T. T. care HARDWARE, 275 Broadway. New York.

YOUNG GERMAN speaking French and English, with knowledge of machinery Hardware, desires position. Address H. C. A., care HARDWARE, 275 Broadway, New York.

#### Export Business Wanted.

AN EXPERIENCED HARDWAREMAN who has spent some time on the road, and possessing the knowledge of how to develop a large Export Trade, here in the city, offers his services to a few ambitious manufacturers desirous of cultivating such extension of their present business. Correspondence solicited. Address Bobs, care HARDWARE, 275 Broadway. New York.

#### Side Line Offered.

HARDWARE SALESMEN.—To handle as a side line our labor-saving device, advertised elsewhere in this issue of HARDWARE, Liberal commission to good men. We furnish free to our agents a perfect working model, pocket size, which will lift 500 pounds. Address. DEPT. C. BURR MFG. Co., Cleveland, Ohio.

TRAVELING SALESMAN.—Salesman wanted for retail trade to carry side line of shears. Prices and quality right. Address W. M. B., care HARDWARE, 275 Broadway, New York. 200

TRAVELING SALESMAN wanted for retail trade to carry a side line of Screw Drivers. States New York or Pennsylvania. Address Peerless, care Hardware, 275 Broadway. New York. 303

#### Side Line Wanted.

A SIDE LINE by first-class salesman who covers territory from Chicago to the Atlantic Coast, and calls on the stove and Hardware trade. Able to command good line of trade. Address STOVEMAN, care HARDWARE, 275 Broadway, New York.

GENTLEMAN residing in St. Paul having personal acquaintance and established business connection with railroad purchasing agents, wholesale Hardware and department store buyers, would like a couple of good lines on a commission basis. Address St. Paul, care Hardware. 275 Broadway, New York.

#### Ad. Writing.

# Do You Write Ads? SERD TODAY FOR INVALUABLE INFORMATION—FREE HARPER SYNDICATE, Columbus, O.—FREE

#### Agency Offered.

LIVE HARDWAREMEN.—We would like to hear immediately from a few live Hardwaremen who would like to be sole representatives in their towns, of a concern that is in the market for business, and have a line made for "men now on earth"—a modern line THAT CAN EX SOLD to your customers. Address "Box 88," care HARDWARE, 275 Broadway. New York.

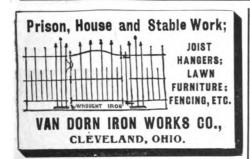
#### Mail Order Specialties.

LIGHT HARDWARE SPECIALTIES WANTED for a mail order business. Address The Mills Co., Cleveland, Ohio. 247

#### For Sale.

HARDWARE STORE FOR SALE.—Stock consists of full line of Builders' Hardware, House Furnishing Goods, Paints and Glass, invoicing \$12,000 to \$15,000. Located on main business street in 32d Ward, Pittsburg. For particulars address C. J. Ammann, 57 Shiloh Street, Pittsburg, Pa.





#### ADAM'S STEEL & WIRE WORKS, Wire Fencing, Ornamental Steel Fencing, Window Guards Wire Signs, Jail Work, etc. Send for Catalogue. W. J. ADAM, JOLIET, ILLINOIS

### ROBERT MURRAY. 24 Duane St., New York City. General Hardware Agent for Atlantic Screw Works.

Wood Screws of Every Description.

Agent for Maynard's Socket Shovels.

# Standard Stamping Co.

Manufacturers of

SHEET METAL STAMPINGS, BICYCLE PARTS, NOVELTIES, and Contractors for SHEET METAL GOODS.

Corner Seventh and Hudson Streets, BUFFALO, N. Y., U. S. A.







# A WHOLESALE HOUSE

Wishes to communicate with manufacturers of Tools for regular deliveries for Cash. Apply

> E. NEWBORGH & CO., 46 Southampton Buildings, London, W. C.



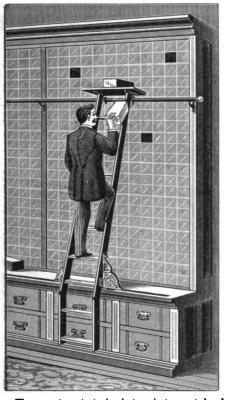
Steel Laid and Hard Cast, in great variety. Nail Pullers, Screw Drivers, Plyers. Wire Cutters, etc. Metal Goods of any kind to order on large contracts.



The Bridgeport Mfg. Co., Admiral Street, Bridgeport, Conn

#### THE BICYCLE STEP LADDER.

Especially adapted for Hardware Stores



The newest, neatest, simplest, easiest operated and safest store ladder made. Highest Award World's Fair. Write us. THE BICYCLE STEP LADDER CO., 65 Randolph St., Chicago, Ills.

1902 Model eady for delivery Jan. 1st.

Removes cut and dead grass, leaves, refuse, etc., from the lawn and sweeps SIDE-WALKS. PAVED STREETS and **FACTORY FLOORS!** Made right, looks right, is right and guaranteed.

THE GREENE MFG. CO.,

\$000 Candle Power.

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wanting a 1901 NOVELTY, that is a 1902 NECESSITY, must handle

> THE "APOLLO" LAWN-SWEEPER

> > 20, 24 and 28 Inch Sweep.

> > > Write for booklet and discounts.

12 East St., Springfield, Ohio, U. S. A.



If you want your store made attractive light it with STERLING ARC SYSTEM The simplest lamp, with fewer\_parts than any

other on the market. Nothing to get out of order. No taking down to fill. Always ready for use.

#### **ALL GGODS WARRANTED FOR TWO YEARS**

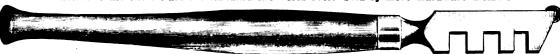
WRITE FOR OUR SPECIAL PROPOSITION TO HARDWARE DEALERS.

DEPARTMENT H. Sterling White Light Gas Lamp Co., STERLING, ILL.



2000 Candle Power

Barrett's Glass Cutters Standard Barrett's Practical Glass Cutters are the standard the world over. Sold by more Hardware Dealers than all



other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U. S. A.

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THE CLARK MFG. CO., Buffalo, N.Y.

Lull & Porter, O. S.

"DIXIE"

—AND—

"BUFFALO REVERSIBLE"

SHUTTER HINGES.
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CLARK'S CLARK BELIND

-ANDCLARK'S SURFACE BLIND
HINGES, GATE HINGES,
SASH PULLEYS, SPRING
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BUTTS, STOVE PIPE
DAMPERS, ETC. . . . .

Polygon
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Pipes
Won't Burst.

The twist in the corrugation checks the sudden fall of ice and water, thus protecting the joints. It stands hard knocks because it is corrugated. Again, it is much handsomer than plain pipe. Made in copper and galvanized iron.

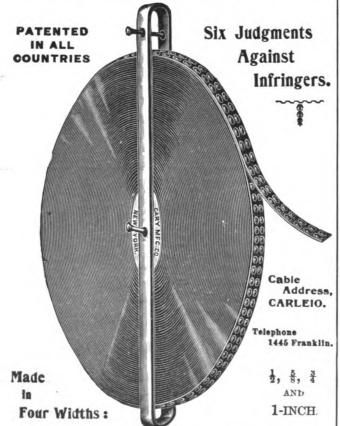
Catalogue and information free.

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Middletown, O.

# CARY'S UNIVERSAL BOX STRAP.



CARY MANUFACTURING CO.,

19 and 21 Roosevelt St., New York.



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| trade only, and for such quantities as are usually purchased by retail dealers.  They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher |                                                                                                                                                                                                                                                                            |  |  |  |
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| prices necessary.  Subscribers are requested to notify make this department of our paper wort                                                                                                                                           | us of any discrepancies, as we desire to<br>hy of their constant attention.<br>ts are given, will always be furnished                                                                                                                                                      |  |  |  |
|                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                            |  |  |  |
| Ammunition—                                                                                                                                                                                                                             | " P. E., ¾ in. 8                                                                                                                                                                                                                                                           |  |  |  |
| U. M. C. Co., trimmed edge40c                                                                                                                                                                                                           | 11 to 20                                                                                                                                                                                                                                                                   |  |  |  |
| U. M. C. Co., trimmed edge                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                            |  |  |  |
| G. D80c                                                                                                                                                                                                                                 | 9&10                                                                                                                                                                                                                                                                       |  |  |  |
| CARTRIDGES— Rim Fire Cartridges                                                                                                                                                                                                         | 8\$1.50<br>9&10                                                                                                                                                                                                                                                            |  |  |  |
| Rim Fire Military                                                                                                                                                                                                                       | 11 to 90                                                                                                                                                                                                                                                                   |  |  |  |
| Blank Car ridges, 28 cal 10&5%                                                                                                                                                                                                          | 9&10                                                                                                                                                                                                                                                                       |  |  |  |
| ing. 15&5% Blank Cartridges, 22 cal 10&5% Blank Cartridges, 23 cal 10&5% Blank Cartridges, 23 cal 10&5% Blank Cartridges, 23 cal 10&5% B. B. Caps, Round Ball 15&10% B. B. Caps, Con. Ball, 8wgd 5%                                     | " Nitro card:                                                                                                                                                                                                                                                              |  |  |  |
| B. B. Caps, Round Ball                                                                                                                                                                                                                  | 9&10                                                                                                                                                                                                                                                                       |  |  |  |
| PRIMERS-                                                                                                                                                                                                                                | POWDER —                                                                                                                                                                                                                                                                   |  |  |  |
| Berdan Primers                                                                                                                                                                                                                          | King's Smokeless (Shot-gun),<br>Kegs (25lbs bulk)\$22.00                                                                                                                                                                                                                   |  |  |  |
| All other Primers10%                                                                                                                                                                                                                    | Half Kegs (1214hs bulk) 11.25 Quarter Kegs (614hs bulk) 5.75 Canister (1h bulk) 1.00                                                                                                                                                                                       |  |  |  |
| First quality, 4, 8, 10 and 12 gauge. 90&5%                                                                                                                                                                                             | Canister (lib buik)                                                                                                                                                                                                                                                        |  |  |  |
| First quality, 14, 16 and 20 gauge,<br>\$7.5020%<br>New Club, New Rival and Climax                                                                                                                                                      | Half Kegs (1214be bulk) 11.85                                                                                                                                                                                                                                              |  |  |  |
| brands, 10 and 12 gauge833/65                                                                                                                                                                                                           | King's Smokeless (Rifle),  Half Kegs (13½fbs bulk)                                                                                                                                                                                                                         |  |  |  |
| Primrose Club                                                                                                                                                                                                                           | King's Semi-Smokeless, Keg, 25hs bulk. 10.00 Half Keg, 1246hs bulk. 5.25 Quarter Keg, 644hs bulk. 2.75 1 h Can, bulk. 50 King's Quick Shot (Black), Kegs, 25 hs 4.00 Half Kegs, 1246hs. 2.25 Quarter Kegs, 644hs. 1.25 1 h Can (24 in case). 25 1/4 h Can (24 in case). 15 |  |  |  |
| Nitro 15% High Ball 15% Smokeless 88½&10% Acme 38½&10% Brass Shot Shells, 1st quality 60&5%                                                                                                                                             | Quarter Keg. 61/10s bulk 5.25<br>Quarter Keg. 61/10s bulk 2.75                                                                                                                                                                                                             |  |  |  |
| Acme                                                                                                                                                                                                                                    | 1 ib Can, bulk                                                                                                                                                                                                                                                             |  |  |  |
| Brass Shot Shells, Club, Rival and Climax                                                                                                                                                                                               | Kegs, 25 fbs 4.00<br>Half Kegs, 1246bs. 2.25                                                                                                                                                                                                                               |  |  |  |
| SHELLS, LOADED-                                                                                                                                                                                                                         | Quarter Kegs, 614 bs 1.25<br>1 b Can (24 in case)                                                                                                                                                                                                                          |  |  |  |
| "New Club," Black Powder40&5% "New Rival." Black Powder40&5%                                                                                                                                                                            | 16 To Can (24 in case)                                                                                                                                                                                                                                                     |  |  |  |
| "Arrow" Nitro Powder, 40&10&10&5%                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                            |  |  |  |
| "Acme," Dense Nitro Powder,<br>40&10&10&5≴                                                                                                                                                                                              | Animal Pokes—                                                                                                                                                                                                                                                              |  |  |  |
| "Trap," Nitro Powder40&10&10&5%  GUN WADS-\$\frac{1}{2}\$ 1000-                                                                                                                                                                         | Iowa Farming Tool Co.: \$\ dos. \\ \text{Hawkeye} \tag{83.25}                                                                                                                                                                                                              |  |  |  |
| B. R., 11 up \$ .60)                                                                                                                                                                                                                    | Western 8.75                                                                                                                                                                                                                                                               |  |  |  |
| B. E., 9 & 10                                                                                                                                                                                                                           | Anti-Rattlers—                                                                                                                                                                                                                                                             |  |  |  |
| P. E., 11 up                                                                                                                                                                                                                            | Fernald, Wire50&10%                                                                                                                                                                                                                                                        |  |  |  |
| P. E., 9 & 10 1 . 25<br>P. E., 8 1 . 50<br>P. E., 7 1 . 50                                                                                                                                                                              | Fernald, Wire       50&10\$         Burton's       50&10\$         Gem       60\$                                                                                                                                                                                          |  |  |  |
| Р. Е., 7 1.50]                                                                                                                                                                                                                          | Gem                                                                                                                                                                                                                                                                        |  |  |  |
| Tatham Bros.: \$ <b>9</b> \text{ bag}                                                                                                                                                                                                   | Invisible, No. 8                                                                                                                                                                                                                                                           |  |  |  |
| Drop Shot, sizes smaller than B,<br>25-h bags                                                                                                                                                                                           | Bolt Holder, No. 1 9.00                                                                                                                                                                                                                                                    |  |  |  |
| 25 b bags 1.60                                                                                                                                                                                                                          | Anvils-                                                                                                                                                                                                                                                                    |  |  |  |
| 25 h bags                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                            |  |  |  |
| Dust Shot, 25-1b bags 2.10 PETERS PRIMERS—                                                                                                                                                                                              | American "Horse-Shoe" 9%c Armitage's Mouse Hole 9%c                                                                                                                                                                                                                        |  |  |  |
| All Primers\$1.10-1.1214                                                                                                                                                                                                                | Eagle Anvils, 19 to 9c15@15&5%                                                                                                                                                                                                                                             |  |  |  |
| CARTRIDGES— Paters Riank Cartridges:                                                                                                                                                                                                    | Peter Wright's                                                                                                                                                                                                                                                             |  |  |  |
| Peters Blank Cartridges: .32 C. F., \$5.50                                                                                                                                                                                              | Cincinnati                                                                                                                                                                                                                                                                 |  |  |  |
| .22 cal. Rim, \$1.50                                                                                                                                                                                                                    | ANVIL AND VISE COMBINED-                                                                                                                                                                                                                                                   |  |  |  |
| B. B. Caps, Con. Ball, Swgd\$1.85-1.90                                                                                                                                                                                                  | Chency Anvil and Vise                                                                                                                                                                                                                                                      |  |  |  |
| Central Fire                                                                                                                                                                                                                            | Millers Falls (with drill), \$18.0015%                                                                                                                                                                                                                                     |  |  |  |
| Primed Shells and Bullets 15&5%                                                                                                                                                                                                         | Augers and Bits-                                                                                                                                                                                                                                                           |  |  |  |
| Rim Fire Sporting50%<br>Rim Fire Military15&5%                                                                                                                                                                                          | Boring Machine 70%                                                                                                                                                                                                                                                         |  |  |  |
| PETERS SHELLS—EMPTY—                                                                                                                                                                                                                    | Com. Auger Bits 60&10&10@70%<br>Forstner Pat. Bits                                                                                                                                                                                                                         |  |  |  |
| Peters Ideal, 10 and 12 gauge 831/6 10%  " New Victor, 10, 12 and 16 gauge 15%  " Quick Shot, 10, 12 and 16 gauge . 25 & 5%                                                                                                             | C F Johnson & Co.                                                                                                                                                                                                                                                          |  |  |  |
| League, 10, 12 and 16 gauge 20205.                                                                                                                                                                                                      | Double Spur pattern car, No. 30 50% Nobles Double Spur, No. 32 50&10% No. 10 Extension Lip 40% No. 10 Extension Lip Car Bit 40% Car Bits, No. 10 40% Car Bits, No. 30 50%                                                                                                  |  |  |  |
| PETERS SHELLS—LOADED (BLACK<br>POWDER)                                                                                                                                                                                                  | No. 10 Extension Lip Car Bit 40%<br>Car Bits, No. 10                                                                                                                                                                                                                       |  |  |  |
| Peters League, 10 and 12 gauge.40&5; "Quick Shot, 10, 12 and 16 gauge40&5;                                                                                                                                                              | Car Bits, No. 80                                                                                                                                                                                                                                                           |  |  |  |
| Loaded with (Semi-Smokeless                                                                                                                                                                                                             | Ring Augers                                                                                                                                                                                                                                                                |  |  |  |
| Powder). Peters Referee, 10, 12and 16 gauge 40 & 5%                                                                                                                                                                                     | Swan's: Jenning's Pattern Auger Bits,                                                                                                                                                                                                                                      |  |  |  |
| Loaded with (Smokeless Powder). Peters New Victor, 10,12 and 16                                                                                                                                                                         | \$0@\$0. <b>\$</b> 10 <b>#</b>                                                                                                                                                                                                                                             |  |  |  |
| gauge                                                                                                                                                                                                                                   | Jenning's Pattern Car                                                                                                                                                                                                                                                      |  |  |  |
| GUN WADS-                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                            |  |  |  |
| 10 to 20                                                                                                                                                                                                                                | HOLLOW AUGERS-                                                                                                                                                                                                                                                             |  |  |  |
| Peters B. E., 9 to 10                                                                                                                                                                                                                   | Ames                                                                                                                                                                                                                                                                       |  |  |  |
| 11 to 20                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                            |  |  |  |

| URRENT.                                                                                                                                   |
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| Cincinnati Nos. 1, 2 and 8                                                                                                                |
| EXPANSIVE BITS —  C. E. Jennings & Co                                                                                                     |
| Common                                                                                                                                    |
| Cincinnati Tool Co., for wood, 40&10% for metal, 60%                                                                                      |
| Cleveland Wood Bits for Brace 50&10% Detroit 60% K. & F 50&10% Morse 50&10% Swan's, for wood 40&10% Syracuse, for wood 40%  TWIST DRILLS— |
| Cleveland                                                                                                                                 |
| 8HIP AUGERS AND BITS— L'Hommedieu's                                                                                                       |
| See Handles                                                                                                                               |
| Awl and Tool Sets— Aiken's Awls and Tools: No. 10, \$\psi \text{dox}\$, \$7.50; No. 20, \$\psi \text{dox}\$, \$10                         |
| C. E. Jennings & Co.'s Adjustable Tool Handles                                                                                            |
| First quality, beet brands\$5.75@6.25 First quality, other brands5.50@6.00 Beveled, add 25c. \$\tilde{q}\$ doz.  HATCHETS—                |
| Hunt's, Underhill's or Blood's 40&105 Peck's: Champion Blade                                                                              |
| Axle Grease—         Dixons' "Everlasting":         1-b box                                                                               |
| Balances—                                                                                                                                 |
| Balances, Sash— Caldwell's                                                                                                                |

| See Hangers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Barrel Drainers— National                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Beef Shavers—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Enterprise:<br>Japanned; each, \$7.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Bells—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| HAND— Extra Heavy Brase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DOOR-   40%   Alarm, Abbe's   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40%   40% |
| COW— 75% Common Wrought 70% Rentucky 70% Kentucky, Sargent's List 50% Texas Star 50% Western, Sargent's List 70%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Bellows—  Blackemiths'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Belting, Rubber-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Boston Belting Co.:   "Boston"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reliable     50&10%       Staple     60&10%       Standard     70&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Belting, Stitched Cotton—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Bench Stops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cincinnati                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Bit Holders—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Angular                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Bit Stock Drills—<br>See Augers and Bits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Blind Adjusters—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Domestic   # dos. \$3.00   83145<br>  Excelaior   # dos. \$10.00   50&10&30<br>  North's   10%<br>  Zimmerman's   50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Blind Fastenings and Tenons-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Austin & Eddy & gro. sets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Blind Hinges—<br>See Hinges.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Blocks-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Burr Mfg. Co.'s Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



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|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Rope Strapped, Japan'd Sheaves. 60&10%                              | Bush Hooks-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Cartridges—                                                                                                                  | Coffee Mills— Box and Side50&10@60s                                                                            |
| L. V. Sheaves                                                       | See Hooks.  Butchers' Cleavers—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | See Ammunition.                                                                                                              | Enterprise Mig. Conet prices                                                                                   |
| Pat. Automatic                                                      | Bradlev's25@90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Casters— Bed                                                                                                                 | National Specialty Mfg. Co                                                                                     |
| Regular Iron Strapped Blocks                                        | Beatty's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Martin's Patent (Phonix)40&10%                                                                                               | Ideal Brand, New List60@60&10\$                                                                                |
| 60&10&10@70%<br>Bolts—                                              | Lancaster Mach. & Knife Wks.381/6@40% . & I. J. White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Plate                                                                                                                        | Coil Chain—<br>See Chain.                                                                                      |
| DOOR AND SHUTTER— Cast Iron Barrel, Square, &c50&10%                | New Haven Edge Tool Co.'s40%<br>P. S. & W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Tucker's Patent, low list30%                                                                                                 | Compasses, Dividers, &c.—                                                                                      |
| Cast Iron Chain                                                     | Butcher Knives-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Cattle Leaders—                                                                                                              | Athol Calipers and Dividers                                                                                    |
| Ives' Patent Door Bolts60#<br>Wrought Barrel70&10@75#               | See Knives.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Humason, Beckley & Co.'s70&10%<br>Sargent's                                                                                  | Compasses                                                                                                      |
| Wrought Shutter, Standard list.                                     | Butchers' Saw Blades—<br>Millers Falls Co. Star15@15&10\$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Weltons70&10%                                                                                                                | Compasses, Calipers, Dividers. 70@70&10s Copeland's Extension. 40% Stayens' "Ideal" 25&10s                     |
| 40&10&10@50&10%<br>Wr't Sunk Flush, Sargent's list<br>50@50&10%     | C. E. Jennings & Co25&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | American Halter Chain50@50&10%                                                                                               | Copeland's Extension.       40%         Stevens' "Ideal".       25&10%         Stevens' "Leader".       25&10% |
| Wr't Sunk Flush, Stanley's list 45@45&10%                           | Butter and Cheese Triers— Ordinary Black Handle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | American Proof Coll, Cask lots.                                                                                              | Starratt's Kay's Patent                                                                                        |
| Wr't B. K. Flush, Com'n, Stanley's list                             | Humason & Beckley's25&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Inch. \$8.00                                                                                                                 | Spring Calipers and Div                                                                                        |
| Wrought Spring, Sargent's75%                                        | Butt and Rabbet Gauges-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5-16                                                                                                                         | Coopers' Tools—                                                                                                |
| Bolt Ends                                                           | Stanley's25&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4.25<br>7-16                                                                                                                 | Bradley's                                                                                                      |
| Machine                                                             | Butts—<br>Brass—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 9-16 4.05                                                                                                                    | Beatty's                                                                                                       |
| Norway Iron, list Oct. '84                                          | Cast Brass, Fast Joint40&10@50a<br>Cast Brass, Ice House                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 76                                                                                                                           | Shaves, Cincinnati Tool Co15@15&10\$                                                                           |
| Sleigh Shoe85%                                                      | Cast Brass, Loose Joint40&10@50%<br>Wrought Brass, list Sept. '96.40@40&5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | %                                                                                                                            | Corkscrews—                                                                                                    |
| American Screw Co.:<br>Bay State, Plain, list Dec. 28, '99.7714%    | CAST IRON-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | orders of less than cask lots.                                                                                               | Detroit Cork-Screw Co                                                                                          |
| Bay State, Finted                                                   | Loose Joint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Covert Mfg. Co., Breast Chain<br>Covert Mfg. Co., Halter Chain<br>Covert Mfg. Co., Heel Chain<br>Covert Mfg. Co., Rein Chain | Samson & Deckley Eng. 3 doz \$19.00 Williamson's                                                               |
| Norway, Phila., list Feb. 26, '9682145<br>Common, list Dec. 28, '99 | Loose Joint, Jap. with Acorns 70@70&10\$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Covert Mfg. Co., Rein Chain                                                                                                  | Corn and Fodder Compressor—                                                                                    |
| Norway, Phila                                                       | Loose Pin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Covert Mfg. Co., Stallion Chain Galvanized Pump Chain 414 to 414c German Coil, list July 24, 97 80& 10%                      | J. B. Hughes', \$\pi\$ dozen net\$3.60                                                                         |
| 8TOVE AND PLOW— Plew                                                | Fast Joint, Broad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | German Halter Chain, list July 24, 37                                                                                        | Corn Hooks— \$\pi\ dos                                                                                         |
| Plew                                                                | WROUGHT STEEL-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Jack Chain, Iron                                                                                                             | Kretzinger Cut-Easy\$8.00 net                                                                                  |
| Bink75%                                                             | List April 1, 1895. Bronzed Inside Blind Butts 60&10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Oneida:                                                                                                                      | Corn Knives and Cutters— Bradley's                                                                             |
| Bone Mills. Enterprise                                              | Bronzed, Narrow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Trace Wagon and Fancy Chains,                                                                                                | Wadsworth'snet                                                                                                 |
| Stearns40% Borers, Bung.                                            | Fast Joint, Light Narrow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | New List                                                                                                                     | Countersinks— Mayhew's Diamond40;                                                                              |
| Enterprise or and                                                   | Loose Pin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | American                                                                                                                     | Smith's                                                                                                        |
| Each                                                                | Calipers—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Covert Mfg. Co.:                                                                                                             | Wheeler's Patent 50&10s                                                                                        |
| No. 6                                                               | Bemis & Call: Wing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Hemp85%                                                                                                                      | Crayons— Sargent's List                                                                                        |
| Borers, Tap-                                                        | Double                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sisal                                                                                                                        | Dixons: \$2 gro. Eclipse                                                                                       |
| Common Ring                                                         | Straight Leg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chain Guards—<br>Alaminum S. & N. Co50                                                                                       | Emerald                                                                                                        |
| Boring Machines—                                                    | Can Openers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Chain Hoists—                                                                                                                | Rainbow                                                                                                        |
| WITHOUT AUGERS-                                                     | American                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Moore's "Anti-Friction"80%<br>Moore's "Direct"50%                                                                            | Curry Combs—                                                                                                   |
| Upright. Angular.  Douglass'\$3.75 \$3.88  Jennings'8.00 8.75       | No. 5. Iron Handle. 9 gross, \$2.00@2.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Cherry Stoners—                                                                                                              | Fitch's List net prices Kohler's                                                                               |
| miliera ralis 7.50 15%                                              | Sardine Scissors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Enterprise                                                                                                                   | New York Stamping Co. List, Sept. 17, '97                                                                      |
| Snell's, Rice's Pat. 2.75 8.00  Bow Pins—                           | 9 002., \$1.00<br>Spragne No. 1 \$2.00: No. 2, \$2.25:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Chisel and File Handles—                                                                                                     | Perfect                                                                                                        |
| Hotchkiss                                                           | No. 8, \$2.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | See Handles.                                                                                                                 | Southington Cutlery Co.'s254:10                                                                                |
| Heller's                                                            | Carpet Stretchers-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Chisels—                                                                                                                     | Cycle Hangers—<br>Lane's                                                                                       |
| Box Strapping—<br>Cary's "Universal," in case lots,                 | Montross' "Excelsior," ≱ doz.,<br>\$6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BUCK Bros80x                                                                                                                 | Diggers—                                                                                                       |
| 20&10@90&10&10;<br>Braces—                                          | Cast Iron Steel Points & dos.,80c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Charles Buck                                                                                                                 | See Post Hole, etc.                                                                                            |
| Barbers'                                                            | 8ocket                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MixOhio Tool Co                                                                                                              | Dividers—                                                                                                      |
| Ives':                                                              | Bissell's "Cyco" Bearing "Ameri-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | P. S. & W                                                                                                                    |                                                                                                                |
| Barbers' Ratchet 60@60&10%                                          | can Queen". \$27.00 Bissell's "Cyco" Bearing "Boudoir". 27.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Witherby                                                                                                                     | Chapman Mfg. Co.'s New List:                                                                                   |
| New Haven Novelty                                                   | The state of the s | Jennings & Grimn Mig. Co                                                                                                     | Leather (full assortment)40&10                                                                                 |
| C. R. Jennings & Co.                                                | Medal" 24.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Box                                                                                                                          | Pope & Stevens: Brase                                                                                          |
| No. 108@11414                                                       | mier"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Butchers'\$4.75@\$5.00 to &<br>C. E. Jennings & Co20%                                                                        | Leather                                                                                                        |
| 1 0 0 1 0 1 0 0 W. CO.)                                             | Bissell's "Cyco" Bearing "Prize" 24.00 Bissell's "Cyco" Bearing "Wel-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Jennings & Griffin Mfg. Co. Tanged<br>Chisels and Gouges                                                                     | 50@50&10                                                                                                       |
| Gen. Spofford's,50&10@60%<br>Brackets—                              | Bissell's "Cyco" Bearing "Superior" 24.00 Bissell's "Cyco" Bearing "Superior" 24.00 Bissell's "Cyco" Bearing "Grand Rapids," Japan trimmed 22.00 Bissell's "Cyco" Bearing "Grand Rapids "Joles Lymmed 24.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Spear & Jackson's \$5.00 to & Tanged Firmers'                                                                                | · · · · · · · · · · · · · · · · ·                                                                              |
| Door Screen. 60&10s<br>Shelf, Bradley's Patent. 75s                 | Biesell's "Cyco" Bearing "Grand<br>Rapids," japan trimmed 22.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | COLD CHISELS—                                                                                                                | Door Checks—                                                                                                   |
| Shelf, Plain, Regular list                                          | Bissell's "Cyco" Bearing "Grand<br>Rapids," nickel trimmed 24,00<br>Bissell's "Standard," japan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Good quality, # ib18c@20c<br>Snell's Best C. S                                                                               | Columbia                                                                                                       |
| Window Screen Corner60&10s                                          | Bissell's "Standard," japan<br>trimmed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cleaners, Sidewalk— \$ doz                                                                                                   | Rolipse                                                                                                        |
| Reading, Plain                                                      | Bissell's "Standard," nickel trimmed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Challenge Shank                                                                                                              | Norton's                                                                                                       |
| Bracket Saw Frames-                                                 | trimmed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Star Socket 4.25                                                                                                             | Door Holders—<br>Empire5                                                                                       |
| Millers Falls Co259 Bracket Sets—                                   | Bissell's "Crown Jewel," nickel<br>trimmed 21.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Clippers—                                                                                                                    | Door Springs-                                                                                                  |
| Millers Falls Co                                                    | trimmed 21.00 Bissell's "Cyco" Bearing "Crystal" 36.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HORSE—<br>Chicago Flexible Shaft Co.'s:                                                                                      | Champion (Coil)                                                                                                |
| Box Hooks, Openers and Scrapers—                                    | Discollie "Cyco" Hearing "Grand" Sh.U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                              | Rubber, complete, 4 doz. \$5.50.45@0                                                                           |
| Humason & Beckley's 60&60&10;                                       | Subject to quantily reduces as follows                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | •                                                                                                                            | Torrey's Rod, by In., w gro                                                                                    |
| Bright Wire Goods—                                                  | 8 doz. a rebate of 50 cents per doz. 5 doz. a rebate of \$1.00 per doz.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Chicago Flexible Shaft Co.'s: # doz                                                                                          | Torrey's Rod, 48 in., \$\pi\$ gro 42.<br>Victor, Coll                                                          |
| Standard. New list80                                                | Bissell's Improved "Misses" 9.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Mascot                                                                                                                       | Drain Cleaners—                                                                                                |
| Humason, Beckley & Co.'s80                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Stewart Pat10.00 ne                                                                                                          | Iwan's Adjustable                                                                                              |
| Peck, Stow & Wilcox Co.'s60 Sargent's80                             | See Bolts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Clips— Norway Axie                                                                                                           | December Pulls                                                                                                 |
| Seymour Smith & Sons60  Bull Punches—                               | Carriage Makers' Clamps—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Norway Spring Bar Clips60&10&10<br>Superior Axle Clips60&10&10                                                               | Sargent's List                                                                                                 |
| Humason & Beckley's25                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Superior Axie Onps                                                                                                           | -                                                                                                              |



| FEBRUARY 25, 1902.                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drawing Knives—           Adjustable Handle                                                                                                                                                                                                                                |
| Aujustaole Hanole 25@20&10% Bradley's                                                                                                                                                                                                                                      |
| L. & I. J. White                                                                                                                                                                                                                                                           |
| Attomatic Boring Tools                                                                                                                                                                                                                                                     |
| Ratchet, Ingersoll's 25% Ratchet, Merrill's 20@20&5% Ratchet, Moore's Triple Act 25@30% Ratchet, Fletcher's 40% Ratchet, Whitney's 50%                                                                                                                                     |
| Ratchet, Moore's Triple Act. 25@30x Ratchet, Fletcher's 40% Ratchet, Whitney's 50% Ratchet, Weston's 90@25% Stearner' Bench 30% Upright, B. & P 50% Hand, Goodell's 30&10x Whitney's Hand Drill, No. 1, \$10.00; Adjustable No. 10, \$12.00 881% Wilson's Drill Stocks 10% |
| Bee Augers and Bits. BLACKSMITHS'                                                                                                                                                                                                                                          |
| Coe's                                                                                                                                                                                                                                                                      |
| Easy Lawn Swings—         \$\psi\$ doz.           Ulrich Mfg. Co                                                                                                                                                                                                           |
| Keystone                                                                                                                                                                                                                                                                   |
| Genuine Turkish Walpole Mills,<br>No. 6 to 65, % h                                                                                                                                                                                                                         |
| Enameline—                                                                                                                                                                                                                                                                 |
| Wood                                                                                                                                                                                                                                                                       |
| "Challenge"       \$3.00         Popes       8.00         Wilkinson's       \$3.00 net         Wostenholm's       \$3.25.10g         Faucets                                                                                                                               |
| Brass Globe Cocks                                                                                                                                                                                                                                                          |
| Lever Handle Bibbs, Gr. Ky.  Rgh                                                                                                                                                                                                                                           |
| John Sommer's "Boss," Tin Key50%                                                                                                                                                                                                                                           |
| John Sommer's "Victor," Metal Key                                                                                                                                                                                                                                          |
| John Sommer's "Crescent," Metal<br>Key                                                                                                                                                                                                                                     |
| John Sommer's "Reliable," Cork Lined                                                                                                                                                                                                                                       |
| John Sommer's "O. K.," Cork Lined                                                                                                                                                                                                                                          |
| Star                                                                                                                                                                                                                                                                       |
| Files— DOMESTIC— New List, Nov. 1, 1899.                                                                                                                                                                                                                                   |
| American       75&5g         Arcade       75&5g         J. Barton Smith       75&5g         Disston's       75&5g                                                                                                                                                          |

| _  |                                                                                                                                                                                           |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Disston's Superfine                                                                                                                                                                       |
|    | Second Quality Files80&10%                                                                                                                                                                |
|    | Stube Stube' list, 30@3314x Filters— Acore 53                                                                                                                                             |
|    | Acora\$3.50@\$18.50<br>Fulper's Natural Stone\$3.50@\$18.50<br>Subject to trade discount.<br>Fish Hooks—                                                                                  |
|    | Amer. Fish Hook Co. list60@60&10%<br>Kirby & Limerick, low list (50c base).10%<br>Fish Scalers—                                                                                           |
|    | Covert's Saddlery Works: Great American 60&20% Fitch's net prices                                                                                                                         |
|    | Fluting Scissors— List                                                                                                                                                                    |
|    | Boynton & Plummers                                                                                                                                                                        |
|    | Steel Goods Association List, Aug. 1, 1899.     Barn or Ice Forks 40&5%     Ballast or Stone Forks 40&5%     Beet Forks 40&5%     Coal Forks 40&5%                                        |
|    | Hay Forks, Four Tine, Standard                                                                                                                                                            |
|    | Hay Header and Baler Forks, Four Tine                                                                                                                                                     |
|    | Grain or Barley Forks 70&10&24&8 Heavy Mill, Manure or Street Forks 70&50 Oyster Forks 40&56 Potato Digging Forks                                                                         |
|    |                                                                                                                                                                                           |
|    | Sluice Forks 40255 Socket Hay Forks, Four Tine 6842555 Socket Manure Forks, Four Tine705 Socket Spading Forks, rour Tine705 Socket Spading Forks, rour Tine7025252325 Spading Forks702555 |
|    | Stone Picking Forks                                                                                                                                                                       |
|    | Size                                                                                                                                                                                      |
|    | Fruit, Wine and Jelly Presses. Enterprise                                                                                                                                                 |
|    | Fry Pans                                                                                                                                                                                  |
|    | No                                                                                                                                                                                        |
|    | ### ### ### ##########################                                                                                                                                                    |
|    | Double Taped Fuse                                                                                                                                                                         |
|    | See Hinges.  Gauges— Remis & Callin Carel                                                                                                                                                 |
|    | Bemis & Call's Steel                                                                                                                                                                      |
| 1  | Stanley's 60&10%<br>Stanley's Chisel 20&10%<br>Starrett's Surface, Center and<br>Scratch 25&10%                                                                                           |
| 41 | Scratch                                                                                                                                                                                   |
|    | Gimlets— 'Diamond" Gimlets, # gr. \$4.00@\$4.25 Double Cut                                                                                                                                |
|    | Gimlet Bits—<br>See Augers and Bits.                                                                                                                                                      |
| •  | Glass Cutters— "Woodward",net prices 'Red Devil"net prices                                                                                                                                |
|    | Globe and Racking Cocks—<br>See Faucets.<br>Glue—                                                                                                                                         |
| i  | Dodd's Liquid Glue 25&25&10% Le Pages Liquid 25&25&10% Mystic 40% Martins 40%                                                                                                             |

|         | WARE                                                                                                                                                                                                                                                                                                                                                      |                   |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ×       | Glue Pots -                                                                                                                                                                                                                                                                                                                                               | Cr<br>Oc          |
| がががべる 0 | Bnameled                                                                                                                                                                                                                                                                                                                                                  | La                |
| 0 % %   | Graters—<br>Enterprise                                                                                                                                                                                                                                                                                                                                    |                   |
| ×       | Griddles—                                                                                                                                                                                                                                                                                                                                                 | La                |
| *       | Cronk's                                                                                                                                                                                                                                                                                                                                                   | 1                 |
| ×       | Grindstone Fixtures— P., S. & W. Co                                                                                                                                                                                                                                                                                                                       |                   |
| *       | Sargent's Patent                                                                                                                                                                                                                                                                                                                                          | M                 |
| 0       | Gunpowder<br>See Ammunition.                                                                                                                                                                                                                                                                                                                              | M                 |
| *       | Gun Wads-                                                                                                                                                                                                                                                                                                                                                 | W                 |
| *       | See Ammunition.                                                                                                                                                                                                                                                                                                                                           | 1                 |
|         | Hafts—<br>Britton's                                                                                                                                                                                                                                                                                                                                       | Se-               |
| 8       | Halters-                                                                                                                                                                                                                                                                                                                                                  | M c               |
| *       | Covert Mfg. Co: Jute Rope Halters                                                                                                                                                                                                                                                                                                                         | Wi<br>Wi          |
| •       | Sisal Rope                                                                                                                                                                                                                                                                                                                                                | 1                 |
| ĸ       | Halter Chain—                                                                                                                                                                                                                                                                                                                                             | Sec               |
|         | See Chain.                                                                                                                                                                                                                                                                                                                                                | ٤u                |
| 6       | Hammers—<br>Handled Hammers—                                                                                                                                                                                                                                                                                                                              |                   |
|         | HANDLED HAMMERS— Humason & Beckley 40&10% Magnetic Tack, Nos. 1, 2, 8 \$1.25, \$1.50&\$1.75 40&10% H.& B., Tack 50&10% Maydole's 83½&5@40&10% Peck, Stow & Wilcox 40@40&10% A. E. Nail 40&10% Engineers and B. S. Hand 60&10% Sargent's New List 45@45&10% Verree 50&10%                                                                                  | Bas               |
|         | \$1.50&\$1.75                                                                                                                                                                                                                                                                                                                                             | F.                |
| ,       | Maydole's                                                                                                                                                                                                                                                                                                                                                 | F.                |
| •       | Engineers and B. S. Hand                                                                                                                                                                                                                                                                                                                                  | Au                |
|         | Verree                                                                                                                                                                                                                                                                                                                                                    | Iwa               |
|         | HRAVY HAMMERS AND SIRDGES                                                                                                                                                                                                                                                                                                                                 | n<br>Aul<br>Lig   |
|         | Under 8 b № h 40c { 80@80&10\$<br>8 to 5 b № h 86c } 60@80&10\$<br>Over 5 b № h 80c 75&10@80\$<br>Wilkinson's Smiths 914c@10c ֎ b                                                                                                                                                                                                                         | Wa                |
|         | Wilkinson's Smiths914c@10c ₩ 15                                                                                                                                                                                                                                                                                                                           | E                 |
|         | Hammock Ropes— Covert Mfg. Co.:                                                                                                                                                                                                                                                                                                                           |                   |
|         | Jute                                                                                                                                                                                                                                                                                                                                                      | Scr               |
|         | Hand Cultivators—                                                                                                                                                                                                                                                                                                                                         |                   |
|         | Ulrich Mfg. Co.:<br>Osborne's \$ doz., \$15.00                                                                                                                                                                                                                                                                                                            | N                 |
|         | Handles-                                                                                                                                                                                                                                                                                                                                                  | Lig               |
|         | Chest Handles, Sargent's 50&10s<br>Chest Handles, Stearns' No. 1, Door                                                                                                                                                                                                                                                                                    | Lig<br>Hea<br>Ext |
|         | or Thumb                                                                                                                                                                                                                                                                                                                                                  | Lor               |
|         | Nos 0 1 2 8 4 9 doz\$ .90 \$1.00 \$1.08 \$1.85 \$1.50 50&10\$                                                                                                                                                                                                                                                                                             | Cor               |
|         | Drawer Handles 60s                                                                                                                                                                                                                                                                                                                                        | Bon               |
|         | Ring Handles 70% Roggin's Latches 35@55&10% Shelf Box Handles 65% Trunk Handles 60%                                                                                                                                                                                                                                                                       | B                 |
|         |                                                                                                                                                                                                                                                                                                                                                           | Bar<br>Chi        |
|         | 8TORE DOOR HANDLES— Bronzed, with Cylinder Lock                                                                                                                                                                                                                                                                                                           | Clar<br>N. I      |
|         | Japanned, with Nuts45&10%                                                                                                                                                                                                                                                                                                                                 | N. I<br>N. I      |
|         | Japanned, without Plate 45&10%                                                                                                                                                                                                                                                                                                                            | She               |
|         | Bar                                                                                                                                                                                                                                                                                                                                                       |                   |
|         |                                                                                                                                                                                                                                                                                                                                                           | Clar              |
|         | Plain B. M                                                                                                                                                                                                                                                                                                                                                | M                 |
|         | Drawer Pulls                                                                                                                                                                                                                                                                                                                                              | No<br>Park        |
|         | Window Pulls                                                                                                                                                                                                                                                                                                                                              | Sarg<br>W. 1      |
|         | Auger, assorted                                                                                                                                                                                                                                                                                                                                           | Stan<br>Wi        |
|         | Wood— Auger, assorted & gr. \$2.25@2.50 Auger, large & gr. 8.00@3.25 Auger, Douglass' Pat., & set, No. 1, \$1.0': No. 2, \$1.40 60&10\$ Auger, Ives' Pat., No. 1 60&10\$ No. 2 to 82½ 60&10\$ Auger, Swan's Pat., & set, No. 8, \$1.00': No. 4, \$1.25 25&10\$ Brad Awl & gr. \$1.75@\$2.00 Chisel, Worcester, Leather Cap'd 1.50 Disston's Crosscut 50\$ | H                 |
|         | No.2 to 8314                                                                                                                                                                                                                                                                                                                                              | Cove              |
|         | \$1.00; No. 4, \$1.25                                                                                                                                                                                                                                                                                                                                     | Stee<br>190       |
|         | Chisel, Worcester, Leather Cap'd 1.50<br>Disston's Crosscut                                                                                                                                                                                                                                                                                               | Aspl              |
|         | Firmer Chisel, Apple, assorted, \$ gr.                                                                                                                                                                                                                                                                                                                    | Cott              |
|         | \$2.25@2.50<br>Hammer, Hatchet, Axe, Sledge, etc.,<br>50&2%                                                                                                                                                                                                                                                                                               | Harr<br>Jerse     |
|         | Hoe Rake and Fork MANDAMANA                                                                                                                                                                                                                                                                                                                               | Kret              |
|         | "Simplicity" File Handles, # gr. \$ .90@1.50 Saw and Plane                                                                                                                                                                                                                                                                                                | Laid<br>Mead      |
|         | Saw and Plane                                                                                                                                                                                                                                                                                                                                             | Mort<br>Plan      |
|         | OROSS-CUT SAW HANDLES— Atkins                                                                                                                                                                                                                                                                                                                             | Roug              |
|         | Champion45@45&10s                                                                                                                                                                                                                                                                                                                                         | Spec<br>Spec      |
|         | Barn Door, old pattern60&10x                                                                                                                                                                                                                                                                                                                              | Sunh              |
|         | Barn Door, old pattern                                                                                                                                                                                                                                                                                                                                    | Truc              |
|         | No. 0\$1 50 net per dozen.                                                                                                                                                                                                                                                                                                                                | Warr<br>Weed      |
|         | No. 5 6.50 60&10&54                                                                                                                                                                                                                                                                                                                                       | Ho<br>See A       |
|         |                                                                                                                                                                                                                                                                                                                                                           |                   |

|                                                 | 65                                                                                                                                                               |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 40& 10@50%                                      | Cronk's Steel, cov'd, Loose Axle. 60&5%<br>Coburn                                                                                                                |
| 40@40&5%                                        | Barn Door, Standard 80.5-10c                                                                                                                                     |
| 25@80%                                          | Special                                                                                                                                                          |
| 70%                                             | No. 50                                                                                                                                                           |
| <del>-</del>                                    | New Model. " 4.00@ —                                                                                                                                             |
| 50@50&10%<br>60&10&10%                          | 35.77                                                                                                                                                            |
|                                                 | \$18.00; No. 1 Special, \$15.00, \$1 dozen pairs                                                                                                                 |
|                                                 | dozen pairs         60&10%           Myers' Stay-on         50&10%           Warner's Patent         20&10&10%           Wilcox's New Century         .50&10&10% |
|                                                 | Harness Snaps—                                                                                                                                                   |
| ₩ doz. <b>\$</b> 6.50                           | See Snaps.  Hasps and Staples—                                                                                                                                   |
|                                                 | McKinney's "Perfect," \$1.10 % doz.50%<br>Wrought85@85&10%                                                                                                       |
|                                                 | Wrought, Stanley                                                                                                                                                 |
| 45%                                             | See Axes.                                                                                                                                                        |
|                                                 | Hay Hooks—<br>Humason & Beckley 60&10%                                                                                                                           |
| _                                               | Hay Racks-                                                                                                                                                       |
| 40&10%<br>8 \$1.25,                             | Baxter Wrought Iron, No. 1, \$1.00, net; No. 2, \$1.50, net.                                                                                                     |
| 40&10%<br>50&10%<br>&&5@40&10%                  | Hay Tools— F. E. Myers & BroNet prices.                                                                                                                          |
| 40@40&10%                                       | Hay and Straw Knives—                                                                                                                                            |
| 60&10%<br>45@45&10%<br>50&10%                   | Auburn Hay, Com. and Spear Point .50s<br>Iwan's Hay, Sickle Edge, \$\pi\$ doz. net \$10<br>Iwan's Hay, Imp. Serrated \$\pi\$ doz.                                |
| 50&10%<br>st 25%<br>EDGES                       | net                                                                                                                                                              |
| 80@80&10\$<br>.75&10@60\$                       | Lightning, from jobbers60&5%<br>Wadsworth's40%                                                                                                                   |
| 75 & 10 @ NO \$<br>14 C @ 10 C ₱ 15             | Hinges— WROUGHT IRON HINGES—                                                                                                                                     |
|                                                 | Screw Hook 14 to 20 to 20 814c.                                                                                                                                  |
|                                                 | and Strap, 22 to 36 in., \$ 15, 3c.                                                                                                                              |
|                                                 | STRAP AND T HINGES.                                                                                                                                              |
| doz., \$15.00                                   | New List, March 15, 1901.  Light Strap                                                                                                                           |
| sr<br>50&10%<br>c. 1, Door                      | Light Strap                                                                                                                                                      |
| R 4                                             | Long Chest                                                                                                                                                       |
| \$1.85 \$1.50<br>50&10%                         | Long Chest 60% E<br>Hinge Hasps and Staples 55% E<br>Corrugated Heavy Strap 75&10% E<br>Corrugated Extra Heavy T 75%                                             |
| 60%<br>70%<br>.85@35&10%                        | SPRING HINGES— Bommer's Brothers. Bommer Spring Hinges                                                                                                           |
|                                                 | Bommer Spring Hinges 40% Bommer B. B. Floor Hinges 40% Bardsley's Patent Checking 15%                                                                            |
| _                                               | Onicago20%                                                                                                                                                       |
| 50@50&10%<br>.50@50&10%<br>45&10%               | GATE HINGES — Clark's, Nos. 1, 2, 3                                                                                                                              |
| 45&10%<br>45&10%                                | N. Y. State, % dos. \$4.90                                                                                                                                       |
| .60@60&10%<br>50&10%                            | PLIND HINGES-                                                                                                                                                    |
| .60@60&10%<br>.50&10@60%                        | Lull & Porter, Nos. 0, 1, 114, 2, 214, 3                                                                                                                         |
| .60@60&10%<br>60@60&10%<br>70&10%<br>.60&10&10% | Mortise Gravity                                                                                                                                                  |
| .60&10&10%<br>66%                               | Parker                                                                                                                                                           |
| \$2.25@2.50<br>8.00@3.25                        | Clark's: Lull & Porter, Nos. 0, 1, 114, 2, 214, 8                                                                                                                |
| 8.00@3.25<br>No. 1,<br>.40.60&10\$              | Hitching Cords—                                                                                                                                                  |
| 60&10%<br>40%<br>No. 8,                         | Covert Mfg. Co                                                                                                                                                   |
| 25&10%<br>1.75@\$2.00                           | Steel Goods Association List, Sept. 1, 1900.                                                                                                                     |
| 50<br>\$1.25@1.40                               | Asphalt Hoes                                                                                                                                                     |
| \$1.25@1.40<br>d, \$9 gr.<br>\$2.25@2.50        | 1900.  Asphalt Hoes                                                                                                                                              |
| ge, etc.,<br>50&2%<br>960&10&5%                 | Jersey Hoes                                                                                                                                                      |
| ₿gr.<br>\$.90@1.50                              | Meadow and Rhode Island Hoes, 75&                                                                                                                                |
| 40&10@50%<br>Handle,<br>50@50&10%               | Mortar and Street Hoes 75&71&494                                                                                                                                 |
| se—<br>•••••40≴                                 | Planter Hoes, Regular Pattern 70&30%<br>Rough Finish Shank Cotton Hoes<br>75&1214                                                                                |
| <b>45</b> @45&10 <b>%</b>                       | Special Mortar Hoes                                                                                                                                              |
| 60&10x<br>66¾@70%                               | Sunhem Meadow Hoes                                                                                                                                               |
| 50≴<br>per dozen.                               | Truck Hoes                                                                                                                                                       |
| "                                               | Hollow Augers—                                                                                                                                                   |
| 60&10&5≰                                        | See Augers and Bits.                                                                                                                                             |

|                                                                                                        | N. J. Good and A. Dahlan Co.                                                                                              | Letter Box Plates-                                                                             | Mitre Boxes—                                                                      |
|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Hollow Ware—  ENAMELED— Agate Nickel Steel Ware, list July,                                            | N. J. Car Spring & Rubber Co.:  Extra Para40&10s  Reliable                                                                | Name Door Plate50@50&10%<br>Name Plate70%                                                      | C. E. Jenninge & Co                                                               |
| 1899                                                                                                   | Staple                                                                                                                    | Number Door Plats                                                                              | Mop Wringers—                                                                     |
| Jan. 2, 1895                                                                                           | Ice Awls, Chippers, &c                                                                                                    | Levels-                                                                                        | Matchless (Canton, O.), \$\P\$ doz\$12.00                                         |
| Second Quality, Granite, 70&10@70&10&10%                                                               | Copeland Ice Pick \$ gr. \$9.00 net                                                                                       | C. E. Jannings & Co 's:                                                                        | Motors-                                                                           |
| Iron Clad:                                                                                             | Gem Ice Shavenet                                                                                                          | Hexagon                                                                                        | COFFEE MILL                                                                       |
| Peppered Ware, high list70%<br>Mottled Ware, high list75%                                              | Sargent's Ice Awis 55%<br>Snell's 50%                                                                                     | Lifters—                                                                                       | Specialty Novelty Coeach \$5.00                                                   |
| Never Break Enamēled50&5@50&10%<br>STOVE HOLLOW-WARE—                                                  | Starnet                                                                                                                   | See Transom Lifters.                                                                           | Nails—                                                                            |
| Ground                                                                                                 | See Freezers, Ice Cream.                                                                                                  | Lines-                                                                                         | WIRE AND OUT NAILS— See Review of the Markets for                                 |
| WHITE ENAMELED-WARE— Boilers and Saucepans50@50&10%                                                    | loe Shredders—                                                                                                            | Cotton and Linen Fish, Draper's 50%<br>Cotton Chalk, 20 feet 60& 10%                           | quotations.                                                                       |
| Maslin Kettles 70&10@75&5%                                                                             | Enterprise, No. 88. dos. \$6.0025@809<br>No. 84. dos. 15.0025@809                                                         | Cotton Trot881/65 Masons':                                                                     | Wire Nails and Brads, Papered, Ass'n<br>list, July, 1899                          |
| Tinned Boilers and Saucepans, 50@50&10%                                                                | Jack Chain—                                                                                                               | Colored Cotton                                                                                 | Brass Head, Combination list50%                                                   |
| SILVER-PLATED— 4 mo. or 5% cash in 80 days.                                                            | See Chain.                                                                                                                | No 0 to 5                                                                                      | Brass Head, Sargent's list 70670255                                               |
| Hartford Silver-Plate Co                                                                               | Jack Screws-                                                                                                              | Samson Cotton, No. 4, \$2.00; No. 4%<br>\$2.5010%<br>Silver Lake, Braided, No. 0, \$6.00       | Porcelain Head, Comb'n list40%<br>Porcelain Head, Sargent's list50%               |
| Meriden Britannia Co                                                                                   | See Screws.                                                                                                               | Silver Lake, Braided, No. 0, \$6.00<br>No. 1, \$6.50; No. 2, \$7.00; No. 8,<br>\$7.50 \$ gross | PURNITURE—                                                                        |
| Rogers & Brother                                                                                       | Kettles—                                                                                                                  | Ventilator Cord, Samson Braided,<br>White or Drab Cot. \$ doz. \$7.50 20%                      | Antique Bronze 10%<br>China 25%                                                   |
| William Rogers Mfg. Co40&10%                                                                           | Spun Brass, Plain                                                                                                         | Wire Clothes, 100 feet, No. 18, \$2.25;<br>No. 19, \$2.00; No. 20, \$1.75.                     | Fire Gilt. 10% Plain. 40%                                                         |
| Hooks— AGRICULTURAL—                                                                                   | Metal10@15%                                                                                                               | Loaded Shells—                                                                                 | Nail Pullers—                                                                     |
| Potato, all kinds                                                                                      | Knives—                                                                                                                   | See Ammunition.                                                                                | A law 5 mg W dog, net \$7.50                                                      |
| Iowa F. T. Co.'s Clam60&10&21                                                                          | Ames':<br>Bread Knives, \$6 doz \$1.5020%                                                                                 | Locks—                                                                                         | Black Hawk, \$ doz. \$9.00<br>Cyclops. \$65<br>Eclipse. \$60z. 18.00, \$5&10&10\$ |
| BUSH—<br>Jennings & Griffin's 88½&5%                                                                   | Butcher Knives                                                                                                            | DOOR LOCKS, LATCHES, &C. Champion Night Latches405                                             |                                                                                   |
| CORN—<br>Kretzinger Cut-Ezy doz. \$8 net                                                               | Dunlan Kitchen and Bread Knives. 25%                                                                                      | Lockwood Mfg. Co                                                                               | Clart No. 1 20 dog \$18.00: No. 1%                                                |
| CAST IRON-                                                                                             | Goodell's:                                                                                                                | R. & E. Mfg. Co                                                                                | \$16.50; No. 2, \$15.00                                                           |
| Bird Cage, Sargent's list60&10&10%<br>Bird Cage, Reading60@60&10%                                      | Bread Knives Ass'n listnet Butchernet                                                                                     | Sargent & Co                                                                                   | Pelican 3 doz. \$9.00, 40@402105                                                  |
| Bird Cage, Williamson                                                                                  | Shoe Knives                                                                                                               | CABINET-                                                                                       | Scranton Improved, in Case Lors:<br>Small. No. 8                                  |
| Chandelier                                                                                             | Hay and Straw, see Hay Knives.  Table and Pocket, see Cutlery.                                                            | Eagle Lock Co                                                                                  | " No. 8 D 30 dos. 4.00                                                            |
| Coat and Hat, Sargent's list50&10%<br>Coat and Hat, Reading60&10%<br>Coat and Hat, Stowell's70%        | Wilson's Butcher Knivesnet                                                                                                | Yale                                                                                           | Large, No. 1                                                                      |
| Harness, Sargent's list 50@50&10%                                                                      | Knives, Hay and Straw-                                                                                                    | Acme Bicycle and Satchel, \$\ doz., \$9.0040\$                                                 | " No. 2 B                                                                         |
| Lamp. 55% Picture. 75%                                                                                 | See Hay Knives.                                                                                                           | Ames Sword Co                                                                                  | Nail Sets -                                                                       |
| Screw Hat                                                                                              | Knobs— Bardsley's Wood Door, Shutter and                                                                                  | Brown's Chain                                                                                  | Ruck Rece                                                                         |
| WROUGHT IRON AND STEEL—<br>Cotton                                                                      | Base                                                                                                                      | Eagle                                                                                          | Cannon's Diam'd Point, # gro. \$12, 256<br>Humason's                              |
| Cotton Pat. (N. Y. Mallet & Handle Works)20%                                                           | Base, Rubber Tip, 214 in. Bead, \$ gr. \$1.25@1.50<br>Carriage, Jap. \$ gr. 80c. 60%                                      | McWilliams                                                                                     | Hunters' Cup Point, Knurled \$10.00                                               |
| Hammock Hooks, E. C. Stearns, & doz                                                                    | Door Mineral                                                                                                              | Wrought Iron 75&1C@75&10&5%<br>Yale Lock Conet prices                                          | Hunters' Cup Point, Plain 9.00 Octagon 4.00@4.75 Round, assorted 8.00@3.55        |
| Picture, T. & S. Mig. Co 50&10%<br>Tassel, T. & S. Mig. Co 50&10%                                      | Door Por Nickel \$2.00@2.95                                                                                               | TRUNK-                                                                                         | eduate                                                                            |
| Wrought Staples, Hooks, &c.<br>See Wrought Goods                                                       | Picture, Judd's                                                                                                           | Corbin's                                                                                       | Snell's:<br>Octagon\$4.75                                                         |
| MEAT—<br>Enterprise40%                                                                                 | Latches—                                                                                                                  | Machine Bolts-                                                                                 | Corrugated 6.59<br>Knurled 9.68                                                   |
| Humason & Beckley80&10\$ wire —                                                                        | 9 dos.<br>Cronk's Barn Door Net, \$2.25                                                                                   | See Bolts.                                                                                     | Nippers—                                                                          |
| Atlas Coat and Hat                                                                                     | Lane's Barn Door40@40&10%                                                                                                 | Mail Boxes—                                                                                    | Acme50%                                                                           |
| Crescent, Coat and Hat50&10@60%<br>Wire Coat and Hat, Acme50&10@60                                     |                                                                                                                           | See Boxes, Mail.                                                                               | Smith's Cutting                                                                   |
| &10&5%<br>Wire Coat and Hat, Gem50&10@50                                                               | Clipper Improved                                                                                                          | Mallets—<br>Sargent's List:                                                                    | Nut Crackers— \$ gro.                                                             |
| &10&5%<br>Wire Ceiling, Gem50&10@50&10&5%                                                              | Enterprise40&10%                                                                                                          | Hickory                                                                                        | Acme, Nickel Plated 30.0020%                                                      |
| Wire Coat and Hat, Standard45%                                                                         | Genuine Philadelphia Mowers:<br>Styles M., S., C., K., T70&10%                                                            | Mattocks-                                                                                      | Turner & Seymour Mfg. Co50%                                                       |
| Covert Mfg. Co.:<br>Safety Gate and Scuttle Hooks85                                                    | Styles M., S., C., K., T                                                                                                  | Cronk's Garden                                                                                 | Nuts- Off list.                                                                   |
| Grass No. 2, \$1.65; 3, \$1.80; 4, \$2.00<br>Hooks and Ryes – Brass                                    | Style E., High Wheel70&10&5%<br>Drexel, low list                                                                          | Meat Cutters—                                                                                  | Hot pressed, square, blank \$5.20<br>Hot pressed, hexagon, blank 5.80             |
| Hooks and Eyes—Mal. Iron 70@70&10%<br>Cotton, Box and Hay 60@60&10%                                    | Great American 70@70&54                                                                                                   | American                                                                                       | Hot pressed, square, tapped5.00<br>Hot pressed, hexagon, tapped5.60               |
| Horse Clippers—                                                                                        | Imperial                                                                                                                  | Esch. \$5 \$7 \$10 \$25 \$50 \$60                                                              | Cold punched, plain, square, blank 5.00<br>Cold punched, hexagon, square,         |
| See Clipper.                                                                                           | Pasume:                                                                                                                   | Nos 1 2 8 4                                                                                    | blank 5.30 Cold punched, plain, equare, tapped 5.30                               |
| Horse Nulls—<br>Nos. 6 7 8 9 10                                                                        | 12 in. 14 in. 16 in.<br>\$6.00 \$6.25 \$6.50 each not                                                                     | Enterprise                                                                                     | tapped 5.30<br>Cold punched, plain, hexagon,                                      |
| A C: 98c 98c 99c 91c 91c 40.8sm                                                                        | Pennsylvania                                                                                                              | Bach\$3 \$8 \$2.50 \$5 \$4 \$6                                                                 | tapped 5.80                                                                       |
| American, all sizes                                                                                    | Lawn Sprinklers— Enterprise                                                                                               | Nos                                                                                            | Oilers—                                                                           |
| C. B. K 25c 23c 22c 21c 21c 40g<br>Capewell 19c 18c 17c 16c 16c 10&5g<br>Champlain 28c 26c 25c 24c 23c | Philadelphia Lawn Mower Co.:<br>Philadelphia Lawn Sprinkler:                                                              | Meat Cutters—  American                                                                        | Brass and Copper                                                                  |
| Champlain 28c 26c 25c 24c 29c<br>40@40&10s                                                             | No. 1. No. 2. No. 8.<br>3 doz. \$12.00 \$15.00 \$24.00908                                                                 | Nos 805 810 812 820 822                                                                        | Gem\$ .50<br>Leader\$                                                             |
| Clinton Fin 19c 17c 16c 15c 14c30&59<br>Essex28c 26c 25c 24c 23c                                       | \$ 402. \$10.00 \$20.00 \$ 40.200                                                                                         | Miles' Challenge, # doz 45@45&10%                                                              | Perfect Oilers                                                                    |
| 40&10@50a<br>Lyra, all sizes                                                                           |                                                                                                                           | \$22 \$30 \$40<br>Woodruff's, \$ doz                                                           | "Paragon." Zinc                                                                   |
| Maud S 25c 23c 22c 21c 21c 50g<br>Neponset. Nos. 5 to 10, 19 lb 12c.                                   | Taral Dime Free 20th                                                                                                      | NOOGIUL 6, W GOZ                                                                               | Wilmot & Hobbs Mfg. Co.'s Steel                                                   |
| Northwestern 25c 23c 22c 21c 20c 25@25&5s                                                              | Lead Pipe, full lengths                                                                                                   | Beef Shavers (Enterprise)25@80%                                                                |                                                                                   |
| Putnam 23c 21c 20c 19c 18c 831/60<br>Vulcan 28c 21c 20c 19c 18c 25&10                                  | Lead Pipe. Tin Lined12140                                                                                                 | ₩ doz. \$60.00                                                                                 |                                                                                   |
| Horse Shoes-                                                                                           | Sheet Lead, full rolls                                                                                                    | Meat Juice Extractors— Enterprise                                                              |                                                                                   |
| Horse and Mule, Iron, per keg\$8.66 Steel. per keg                                                     | 5                                                                                                                         | Metals, Anti-Friction—                                                                         | Pike's Washita:<br>Lily White, # fb\$ .60                                         |
| Burden's, all sizes 8.66                                                                               | Lemon Squeezers—                                                                                                          | Magnolia Metal Co.:                                                                            | Pike's Washita Mounted No. 1: * doz.                                              |
| Horse Ties—<br>Covert Mfg. Co.:                                                                        | Berger Bros. \$\pi\ doz. 8-in. \$1.00; 10-in, \$1.40                                                                      | Magnolia Anti-Friction 250                                                                     | 7x2                                                                               |
| Cotton                                                                                                 | Dean's, Nos. 1, \$\pi \doz. \$8.50; 2, \$8.85; 8, \$1.65; Queen, \$2.50, ne Hotchkies, Straight Flush, \$\pi \doz. \$9.66 | Mystic                                                                                         | 5x2                                                                               |
| Jute35<br>Sixal20                                                                                      | Jennings' Star # doz. \$1.90(42.00                                                                                        | Melting Ladles—                                                                                | 81/x1 5.50<br>Discount, 881/x210%.                                                |
| Hose, Rubber-                                                                                          | Little Giant                                                                                                              | Monroe's Patent 3 doz. \$4.00, 40                                                              | Pike's Washita Axe Stones:                                                        |
| Boston Belting Co.:                                                                                    | \$0&10@10                                                                                                                 | Resulting                                                                                      | About xxxxi, extra selected40                                                     |
| Competition                                                                                            | A 000' COMMINITY & Store' HO'O' POOC                                                                                      | Sargent's                                                                                      |                                                                                   |
|                                                                                                        |                                                                                                                           |                                                                                                |                                                                                   |



| Packing, Steam-                                                    | Polish Metal—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | No. 128, Fig. 510, 8 in. Lift                                                                           | Rope—                                                            |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| BUBBER—                                                            | Prestoline Liquid, New List40%<br>Prestoline Paste88½@40%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | No. 181. Flg. K10 814 in 1.16                                                                           | Cotton Rope, Best, \$\frac{1}{2}\$ inch and larger               |
| Boston Belting Co.:                                                | U. S. Metal Polish Paste, 8-os. boxes,<br>doz\$.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Pump                                                                                                    | Medium, 1 in. and larger11@1114c                                 |
| "Excelsior" Plumbago, Pure, \$                                     | \$\\ \text{2ross} \\  \\ \text{4.50}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Pump. 12.50 No. 285, Fig. 408, Windmill                                                                 | Jute Rope:                                                       |
| Extra                                                              | 1 lb. boxes 38 dos 2.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Fump                                                                                                    | A grade                                                          |
| WISCELLANDOUS W to                                                 | U. S. Liquid, 8-oz cans, & doz 1.25<br>\$\mathbb{B}\$ gross                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | No. 340, Fig. 406, Regulator<br>Pump 28.00                                                              | Manila:<br>7-16 in. and larger18                                 |
| American Packing                                                   | Barkeeper's Friend Metal Polish,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No. 265, Fig. 572, Cyclone Tank<br>Force Pump 16 00                                                     | % in                                                             |
| Italian Packing 1014c@12c Jute 5c@54c                              | ₩ gross                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NO. 207. Fig. 488. Gevser Tank                                                                          | Hay kope, Medium18 c                                             |
| Russian Packing 19c@181/c                                          | Polish, Stove—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Force Pump                                                                                              |                                                                  |
| Padlocks-                                                          | Dixon's Plumbago                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Tank Force Pump 16.00<br>No. 802, Fig. 477, Spray Pump,                                                 | 7-16 in. and larger 914c % in 94c 14 and 5-16 in 104c            |
| See Locks.                                                         | Gem 9 gro. 4.50, 10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No. 320, Fig. 492, Bucket Spray                                                                         | Rules—                                                           |
| Parers-                                                            | Poppers, Corn—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Fump 5.00                                                                                               | Athol, Steel                                                     |
| Advance. \$ 4.50 Baldwin                                           | Round or square, \$\pi\ doz. \$\pi\ gro. \\ \frac{1}{3} \pi \cdot \c | No. 850, Fig. 547, Knapeack<br>Spray Pump 10.00                                                         | Boxwood                                                          |
| Baldwin 5.00                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Discount, 50% f. o. b. Ashland. Punches—                                                                | Lufkin's:<br>Steel50&10%                                         |
| Bonanza each 5.00 Dandy each 7.50                                  | Quincy Corn Popper, 1 qt., \$\tilde{4}\ doz. \$8.00; 2 qt., \$4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Bemis & Call Co.'s:                                                                                     | Lumber                                                           |
| Eureka, 1896                                                       | Post Hole Diggers— \$ dos.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Cast Steel Drive                                                                                        | Starrett's Rules and Straight Edges,<br>Steel                    |
| Improved Bay State\$27@80.00 Little Star4.00                       | Disston's Samson Digger . \$84 00 254                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Spring                                                                                                  | Sad Irons—                                                       |
| New Lightning 5.50                                                 | Iwan's Split Handle, & doz. net\$8.50<br>Iwan's Perfection, & doz. net\$9.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Morrill's Universal85#                                                                                  | Chinese Sad                                                      |
| Penn 8.75<br>Perfection 4.00                                       | Ryan's \$9 doz. \$20.00, 25%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Niagara Hollow                                                                                          | Common 4 to 10                                                   |
| Reading 78 7.00                                                    | Post Hole Augers-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Saddlers' or Drive, good60@65%<br>Snell's Tinners'                                                      | COLD HANDLED—<br>Enterprise Mfg. Co. of Pa80&5%                  |
| Scott's Pat. Rotary\$15.00, 90%<br>Turntable, 1898                 | Iwan's Patent Improved40%<br>Vaughan's, 6 to 9 in., \$\pi\$ doz. net\$6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Spring, good quality, \$\text{\$0} \doz., \$1.70@1.80                                                   | Safety Fuse—                                                     |
| White Mountain 4.00                                                | Potato Hooks, etc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Spring, Leach's Pat                                                                                     | See Fuse.                                                        |
| POTATO—                                                            | Hoe Down Hooks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ¥ doz\$1.44, 55≴<br>Tinners' Hollow, P. S. & W. Co                                                      | Safety Lifts—                                                    |
| White Mountain 4.50                                                | Hop Hooks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 20&25<br>Rail—                                                                                          | Burr Mfg. Co., Steel70&10\$                                      |
| Pencils                                                            | Powder-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Barn Door, Light, In. 14 56 34 3 100 feet\$1.40 1.95 9.60                                               | Sand and Emery Paper and<br>Cloth—                               |
| Dixon's: \$8 gro.<br>Carpenter's\$3.67@8.75                        | See Ammunition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Barn Door, "None Better" No. 1.                                                                         | Baeder, Adamson & Co.*s: List.                                   |
| Carpenter's Rine or Red                                            | Presses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8 foot                                                                                                  | Emery Cloth                                                      |
| Lead                                                               | Sec Fruit and Jelly Presses.  Primers—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | % foot                                                                                                  | sand and Emery Paper50&10@60%                                    |
| Lumber                                                             | See Ammunition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Angular, & foot, 6c                                                                                     | Sash Balances—<br>Caldwell Mfg. Co50%                            |
| Mascot, Round                                                      | Pruning Hooks and Shears-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Angular, \$\Pi\$ foot, \$c                                                                              | Sash Chain—                                                      |
| Percussion Caps—                                                   | Cronk's Pruning Shears                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Cronk N: Gi toot.                                                                                       | Competition                                                      |
| See Ammunition                                                     | Dission's Combined Pruning Hook                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | O. N. T. Style, No. 18 8 c Double Braced                                                                | Monarch                                                          |
| Picks and Mattocks—                                                | and Saw \$\forall doz., \$18.00, 25@25&10%<br>Disston's Pruning Hook, \$\pi doz.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | O. N. T., 1 in                                                                                          | Red Metal                                                        |
| List Feb. 28, 1899.<br>Railroad or Adze Eye60, 10&5@70%            | Disston's Pruning Hook, \$\psi\$ dos., \$\frac{19.00}{25@25&10}\$.  Henry's:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | O. N. T., 114 in                                                                                        | Sash Cord—                                                       |
| •                                                                  | Pruning Shears 50% 5%<br>Orange 50% 5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Stowell's Wrought Steel                                                                                 | Cable Laid Italian \$ 15 16@18c                                  |
| Planes and Plane Irons-                                            | Grape                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Sliding Door, Steel, Brass Plated.                                                                      | Cable Laid Russia 10 to 1814@14c<br>Common India 10 to 1804 10c  |
| WOOD PLANES—<br>Bailey's (Stanley R. & L. Co.)                     | Tree Pruners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | % foot                                                                                                  | Patent Russia 9 ib 191/@18c<br>Patent India 3 ib 1014@12c        |
| 95&10@25&10&10%<br>Bench, First Quality45@45&10%                   | P., S. & W. Co.'s Shears 60%<br>Waters' Tree Pruners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | # foot 5½c Sliding Door, Wrought Brass, 1½in., # b., 86c 10@205<br>Victor Track Rall, 7c # ft60&10&2345 | Samson: "Mass." White, Cotton2234@24c                            |
| Bench, Second Quality50@50&10%                                     | Wheeler, M. & C. Co.'s Combina-<br>tion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                         | Bamson Disided Multe, Cotton                                     |
| C. E. Jennings & Co50&10%<br>Molding40&5\$                         | Pulleys—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Rakes, Etc.—<br>Cronk's:                                                                                | "Samson" Braided Drab, Cotton                                    |
| IRON PLANES—<br>Chaplin's Iron Planes50&10                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Wrought Steel Garden 60 & 90%                                                                           | ₩ b 831/4@85c<br>"Samson" Braided Italian Hemp                   |
| C. E. Jennings & Co., Iron50&10s                                   | Awning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Steel Garden Rakes70&5&%                                                                                | 學 B 83景@55c<br>"Samson" Braided Linen 事 b,50@55c                 |
| Sargent's                                                          | Ceiling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Steel Garden Rakes Stamped Blank. 79%<br>Steel Road Rakes                                               | Silver Lake: A Quality, Drab                                     |
| Stanley Rule & Level Co.: Bailey's                                 | Common Sense                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Steel Tar or Asphalt Rakes                                                                              | A Quality White 10 85c, 54                                       |
| Miscellaneous25&10@25&10&10%<br>PLANE IRONS—                       | Dumb Waiter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Steel Rose Rakes                                                                                        | A Quality, White                                                 |
| Auburn "Thistle" )                                                 | KOX-811-steel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Peerless Socket                                                                                         | United States.                                                   |
| Auburn "Thistle" 80&5@30&10&5% Sandusky                            | Nos. 3 & 7, 234-inch wheel, \$\pi\$ doz25c<br>No. 9, 134-inch wheel, \$\pi\$ doz20c<br>No. 10, 2-inch wheel, \$\pi\$ doz25c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Rasps, Horse—                                                                                           | B Quality                                                        |
| DUCK Dros                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Disston's70%                                                                                            | Sash Fasteners, Holders, &c.                                     |
| Butcher's\$5.00@5.25 to &<br>C. E. Jennings & Co                   | Extra for antique bronze bushing,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | New Nicholson Horse Rasp70%<br>See also Files.                                                          | Sash Lifts                                                       |
| 25&10@\$5&10&10g                                                   | 4-inch. \$8.75: 6-inch. \$5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Rasors—                                                                                                 | Sash Lifts Finsh                                                 |
| L. & I. J. White                                                   | SACO SOLUTION TO COL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Electric List net "John Engstrom"net prices                                                             | Sash Rollers                                                     |
| Pliers and Nippers—                                                | Hay Fork, 5-inch, Solid, \$5.7050%<br>Hot House50&10@50&10&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Fox40%                                                                                                  | Shutter Sheaves                                                  |
| Button's                                                           | Stowell's Anti-Friction, 6-in. Wheel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | J. R. Torrey Razor Co                                                                                   | Sash Locks—                                                      |
| Cronk's:                                                           | # doz., \$19.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | £10%                                                                                                    | Champion Meeting Rail                                            |
| Button Pattern                                                     | Shade Rack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Registers and Ventilators—                                                                              | Champion Side                                                    |
| Gas Pliers, No. 10040%                                             | Pumps—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | New List, Sept. 2, 1901:                                                                                | Eiting's Ventilating                                             |
| Stubb's Pat. Pliers                                                | Cistern, Best Grades 60@60&10%<br>Pitcher Spout, Best Grades .70&10@75%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Black Japanned 60 & 10 & 5@70 %<br>White Japanned 60 & 10 & 5@70 %                                      | Iron 70≼                                                         |
| Humason & Beckley Mfg. Co.50@50&10g<br>Wm. Johnson's Gas Pliers66% | Power Pumps, Myers'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Bronzed Finishes                                                                                        | Bronze and Brass                                                 |
| Morrill's Parallel 20 dos \$19.00 80.6 kg                          | F. E. MVers & Bro. Low List:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Nickel Plated                                                                                           | Wrought Steel 604                                                |
| Smith's Side Cutting                                               | No. 1, Fig. 328, 8 in. Shallow Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | White Porcelain                                                                                         | Bronze M. Knob                                                   |
| pers30@30&10%                                                      | No. 8, Fig. 828, 834 in. Shallow<br>Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rings—                                                                                                  | Cast Iron                                                        |
| Plow Bolts-                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | See Bull and Hog Rings.                                                                                 | Payson's Perfect                                                 |
| See Bolts.                                                         | No. 614, Fig. 307, 814 in. Deep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Rivets and Burrs—                                                                                       | Sash Weights—                                                    |
| Plumbs and Levels—                                                 | Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Belt with Burrs                                                                                         | Small lote 39 ton \$25.00                                        |
| Jook's 40&10&10                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IRON—<br>List, Nov. 1, 1894.                                                                            | Ton lots at factory\$20.00@22.50                                 |
| Davis':<br>Inclinometers                                           | Pump 17.00<br>No. 56, Fig. 881, 8 in. Shallow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Ordinary, in bulk 70@70&10¢                                                                             | Sausage Stuffers or Fillers—<br>Draw Cut, No. 4each \$80.00, 20% |
| Iron Levels 25&10%<br>Disston's70%                                 | Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Thousand, in bulk                                                                                       | Enterprise Mfg. Co25@25&714s<br>National Specialty Mfg. Co25s    |
| 01sston's                                                          | Well Pump 17.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Coopers', in bulk70@70&10%<br>Block and Carriage, in papers.                                            | Saws—                                                            |
|                                                                    | No. 20 INg 900 01/ L- T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 70.200 \$104                                                                                            | Atkins:                                                          |
| tanley's                                                           | Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Hame                                                                                                    |                                                                  |
| tanley's                                                           | No. 72, Fig. 888, 8 in. Deen Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Hame                                                                                                    | Band 7 to 14 in. Wide                                            |
| tanley's                                                           | No. 72, Fig. 838, 8 in. Deep Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | pered                                                                                                   | Band 7 to 14 in. Wide                                            |
| tanley's                                                           | No. 72, Fig. 838, 8 in. Deep Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | pert with puris, linned of Cop-                                                                         | Band 7 to 14 in. Wide                                            |
| itaniey's                                                          | No. 72, Fig. 838, 8 in. Deep Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | pered                                                                                                   | Band 7 to 14 in. Wide                                            |

| 68                                                                                                                                                                                                                                    | HARD                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disston's:     Circular, Solid and Inserted Tooth.50%     Band 3 in. to 14 in. Wide                                                                                                                                                   | Brace Screw Drivers                                                                                                                                                                                                                               |
| Star, Saws and Blades                                                                                                                                                                                                                 | Brass, Flat Head 85,287345<br>Brass, Round Head 623,26855<br>Bronze, Flat Head 75,626745<br>Bronze, Round Head 724,627745<br>Nickel Plated, 17on Flat Head 75,62808<br>MACHINE—<br>List, January 1, 1898.<br>Brass, Flat Head 508                 |
| Saw Sets— Atkins: Criterion Saw Sets                                                                                                                                                                                                  | Brass, Round Head                                                                                                                                                                                                                                 |
| Piate   207   Spring Hammer   30&tot                                                                                                                                                                                                  | Cone Point                                                                                                                                                                                                                                        |
| No. 1, \$15.00; No. 10, \$15.50; No. 11, \$16.00 40&20% Cross Cuts Nos. 8 and 4, \$28.00; No. 5, \$81.00 40&20% Richardson's 25% Seymour Smith & Son, Hammer \$dos. \$4.75 Stillmans \$dos. 1.00 Taintors Positive \$18.00 \$dos. 60% | Roller Bearing.                                                                                                                                                                                                                                   |
| Scales— Chatillon's:                                                                                                                                                                                                                  | C. E. Jennings & Co                                                                                                                                                                                                                               |
| Striped                                                                                                                                                                                                                               | Raisin, Enterprise                                                                                                                                                                                                                                |
| Adjustable Box Seraper (S. K. & L.  Co.) \$6.00                                                                                                                                                                                       | N. P. Straight Trimmers 65% N. P. Bent Trimmers 66% Japanned Straight 70&10 Japanned Bent 70&10 Heinisch's: St. Trimmers, etc. 60&10@60&10&10 Tailors' Shears. 40 Tinners' Snips 40 Pruning. See Pr'ning Hooks & Shears. Seymour's Standard List: |
| Boreens                                                                                                                                                                                                                               | Japanned                                                                                                                                                                                                                                          |
| 10                                                                                                                                                                                                                                    | Tailors' Shears                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |

| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IARDV                                             | ١ |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---|
| Screw Drivers-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                                                 |   |
| Brace Screw Drivers Brace Screw Drivers Buck Bros Screw-Driver Bits Champion Disston's Flat Blade, Elegraph and Cabinet Make Electric Spiral No. 02 9 Electric Spiral No. 02 9 Ellerich's Socket and Rate Fray's Hol. Hdie. Sets, N Howard-Allard Jennings & Co. Jennings & Griffin Jones Reversible Spiral N \$18.50 net; No. 2 9 doz Sargent & Co. 5: No. 1 Forg. Blade50& Nos. 20 and 40 Screw-Driver Bits (Snell's Stanley R. & L. Co.'s: No. 84, Varnished Hand No. 86. Snell's Nos. 5 and 10 Tower & Lyon: Champion | 25&10&5%<br>80%                                   | I |
| Screw-Driver Bits<br>Champion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 27345                                             | ı |
| graph and Cabinet Make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ectric, Tele-<br>ers'70%                          | • |
| Electric Spiral No. 02 & Ellrich's Socket and Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | doz. \$6.00 net 1 doz. 5.00 net 1                 | Į |
| Fray's Hol. Hdle. Sets, N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | o. 8 \$12, 50%<br>loz \$9.00 net                  |   |
| C. E. Jennings & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | loz., 8.00 net 8                                  | 3 |
| Jennings & Griffin Jones Reversible Spiral N                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 66%<br>0.1, \$\text{\$doz.} \tag{\$}              | E |
| Sargent & Co.'s:<br>No. 1 Forg. Blade50&                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | :10@50&10&54                                      |   |
| Nos. 20 and 40<br>Screw-Driver Bits (Snell's                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 66%%<br>) \$0.00000000000000000000000000000000000 | 1 |
| Stanley R. & L. Co.'s:<br>No. 64, Varnished Hand                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | lles60&10x                                        |   |
| Snell's Nos. 5 and 10<br>Tower & Lyon:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 702210%                                           |   |
| Champion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 40%                                               |   |
| Machinists'<br>Balsley's Patent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |   |
| Williamson's: Beauty, # doz. Gem, # dos C. T. Williamson Wire No                                                                                                                                                                                                                                                                                                                                                                                                                                                          | \$1.00 } 40%                                      |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ovelty Co40%                                      |   |
| Screws-<br>WOOD SCREWS-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                   | 1 |
| List, January 1, 1900.<br>Drive Screws, Diamond F<br>Iron, Bright Flat Head<br>Iron, Bright Round and O                                                                                                                                                                                                                                                                                                                                                                                                                   | oint.8714@90#                                     |   |
| Iron, Bright Round and O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8716@90%<br>Oval Head                             |   |
| Brass, Flat Head Brass, Round Head Bronze, Flat Head Bronze, Round Head Nickel Plated, Iron Flat Nickel Plated, Iron Round                                                                                                                                                                                                                                                                                                                                                                                                | 85@87343<br>8234@853                              | 1 |
| Bronze, Flat Head<br>Bronze, Round Head                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 75@80s<br>7214@7714\$                             |   |
| Nickel Plated, Iron Flat l<br>Nickel Plated, Iron Round                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Head75@80%<br>d Head.75@80%                       |   |
| List, January 1, 1898.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | k0e                                               |   |
| List, January 1, 1898. Brass, Flat Head Brass, Round Head Iron, Flat Head Iron, Round Head                                                                                                                                                                                                                                                                                                                                                                                                                                | 50%                                               |   |
| Iron, Round Head                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ND RAIL-                                          |   |
| G. P. Coach. List, Feb.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 14, 1895,                                         |   |
| Lag Screws. List, Janus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 60&10%<br>ary 80, 1895.                           | į |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |   |
| Bench, Iron, \$\pi\$ dos., 1  Bench, Wood, Beech. Chair Hand, Wood. Jack Screws, Millers F. Bearing                                                                                                                                                                                                                                                                                                                                                                                                                       | 1n., \$8.25;<br>8.50; 1¼, \$4.25                  |   |
| Chair<br>Hand, Wood                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 60&10x                                            | • |
| Jack Screws, Millers For Bearing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | alls, Roller                                      |   |
| Bearing Jack Screws, Millers Fa Roller Bearing. Jack Screws, P. S. & W. Jack Screws, Sargent's Plane Stool                                                                                                                                                                                                                                                                                                                                                                                                                | 50&10%<br>50&10%                                  |   |
| Jack Screws, Sargent's .<br>Piano Stool                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                   |   |
| Seroll Sewa-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                   |   |
| Barnes' No. 1, \$8; No. 6, \$15. Barnes' Scroll Saw Blade Cricket. C. E. Jennings & Co. Lester, complete, \$10.00. Rogers, complete, \$4.00                                                                                                                                                                                                                                                                                                                                                                               | , \$10; No. 7,                                    |   |
| Cricket                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10&10%<br>25%                                     |   |
| Lester, complete, \$10.00.<br>Rogers, complete, \$4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 15&10%<br>15&10%                                  |   |
| Scythes, Grass-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ₩ doz.                                            |   |
| Natural Finish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8.00@ 8.15<br>8.00                                |   |
| Weed and Bush                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7.25@ 7.50                                        |   |
| Raisin, Enterprise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                   |   |
| Shears—<br>Acme (Cast)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 40@40&5%                                          |   |
| Acme (Cast)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 808820%<br>70&20%                                 |   |
| Carrier Cutlery Co.: N. P. Straight Trimme N. P. Bent Trimmers Japanned Straight Japanned Bent Heinisch's:                                                                                                                                                                                                                                                                                                                                                                                                                | net                                               |   |
| N. P. Bent Trimmers .<br>Japanned Straight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                   |   |
| Japanned Bent<br>Heinisch's:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 70&10%                                            |   |
| Tailors' Shears                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ©10@60&210&10%<br>40%<br>40≪                      |   |
| Pruning. See Pr'ning Ho<br>Seymour's Standard List                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ooks & Shears.                                    |   |
| Japanned Bent Heinisch's: St. Trimmers, etc. 604 Tailors' Shears. Tinners' Snips Pruning. See Pr'ning H Seymour's Standard List Japanned. Nickeled. Standard Cutlery Co.: Japanned.                                                                                                                                                                                                                                                                                                                                       | 70%                                               |   |
| Japanned Nickeled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 70&10%<br>60&10%                                  |   |
| Star Brand:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                   |   |
| Nickel Scissors<br>Nickel Shears<br>Japan Shears                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                   |   |
| Tailors' Shears<br>Pruners<br>Tinners' Snips                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                   |   |
| Shears, Hedge-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                   |   |
| Wm. Wilkinson & Sons<br>Sheaves—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50%                                               |   |
| SLIDING DOOR— Corbin's list Hatfield's Pattern                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 60&10&24                                          |   |
| Hatfield's Pattern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 70&10@80%                                         |   |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Stowell's Anti-Friction                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | K. & E., list August 15, 15%.<br>60&10@60&10&5%                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ber 18, 1885                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Reading list                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | R. & E. Mfg. Co.'s 60@60&10%<br>Sargent's list                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Shells—<br>See Ammunition.                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Shot—                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | See Ammunition. Shovels and Spades—                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Association prices to small trade.                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No. 2, Polished, Square or Round<br>Point, D or L Handle:<br>A1. B2,                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1st Grade. 2d Grade                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Strap Back 9.90 9.00<br>Cleveland Pattern, 10.20 9.80                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C8, D4,<br>8d Grade. 4th Grade                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Plain Back \$8.70 \$8.10<br>Strap Back 8.10 7.50                                                                                                                                                                                                                                                                                                                                                              |
| ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cleveland Pattern. 8.40 7.80<br>All other sizes, add 80c. dos.                                                                                                                                                                                                                                                                                                                                                |
| ;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Black, deduct 80c. doz. Shovels and Tongs—                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Rrsss Head 60&10@60&10&10%                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Iron Head                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | [ves'45%                                                                                                                                                                                                                                                                                                                                                                                                      |
| •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Shutter Bolts—<br>See Bolts, Shutter.                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Sifters, Flour—                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Hunter's Genuine gross, \$10@\$11.50                                                                                                                                                                                                                                                                                                                                                                          |
| •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Skate Sharpeners—<br>Eureka 9 doz. \$1.75; \$ gro. \$18.00                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Slaw and Kraut Cutters-                                                                                                                                                                                                                                                                                                                                                                                       |
| ۱<br>د                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Disaton's: Slaw, Vegetable, Corn Grater, Tur- nip Shredder                                                                                                                                                                                                                                                                                                                                                    |
| •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | nip Shredder40%<br>Kraut Cutters, 24x7, 26x6, 80x955%                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Kraut Cutters, 86x12, 40x12 40%<br>Enterprise                                                                                                                                                                                                                                                                                                                                                                 |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Enterprise                                                                                                                                                                                                                                                                                                                                                                                                    |
| •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 Kniie                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Kraut Cutters                                                                                                                                                                                                                                                                                                                                                                                                 |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sledges and Heavy Hammers-                                                                                                                                                                                                                                                                                                                                                                                    |
| í                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | See Hammers.                                                                                                                                                                                                                                                                                                                                                                                                  |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                               |
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| K<br>K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Smiths' Bellows—<br>See Bellows.                                                                                                                                                                                                                                                                                                                                                                              |
| K<br>K<br>K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Smiths' Bellows—<br>See Bellows.<br>Snaps, Harness, &c.—                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Smiths' Bellows— See Bellows. Snaps, Harness, &c.— Anchor (T. & S. Mfg. Co.)                                                                                                                                                                                                                                                                                                                                  |
| <b>K</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Smiths' Bellows— See Bellows. Snape, Harness, &c.— Anchor (T. & S. Mfg. Co.)                                                                                                                                                                                                                                                                                                                                  |
| <b>K</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Smiths' Bellows— See Bellows.  Snape, Harness, &c.— Anchor (T. & S. Mfg. Co.)                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8miths' Bellows—  See Bellows.  Snaps, Harness, &c.—  Anchor (T. & S. Mfg. Co.)                                                                                                                                                                                                                                                                                                                               |
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| ***                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Smiths' Bellows—  See Bellows.  Snapa, Harness, &c.—  Anchor (T. & S. Mfg. Co.)                                                                                                                                                                                                                                                                                                                               |
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| * ***** . 5500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8miths' Bellows—  See Bellows.  Snaps, Harness, &c.—  Anchor (T. & S. Mfg. Co.)                                                                                                                                                                                                                                                                                                                               |
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| * ***** . 5500 * ****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8miths' Bellows—  See Bellows.  Snaps, Harness, &c.—  Anchor (T. & S. Mfg. Co.)                                                                                                                                                                                                                                                                                                                               |
| * ***** . 5500 * ****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8miths' Bellows—  See Bellows.  Snaps, Harness, &c.—  Anchor (T. & S. Mfg. Co.)                                                                                                                                                                                                                                                                                                                               |
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| THE REPORT OF THE PARTY AND PARTY.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8miths' Bellows—  See Bellows.  Snaps, Harness, &c.—  Anchor (T. & S. Mfg. Co.)                                                                                                                                                                                                                                                                                                                               |
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| THE REPORT OF THE PARTY  | Smiths   Bellows                                                                                                                                                                                                                                                                                                                                                                                              |
| THE PERSON AND PERSON NAME OF STATE OF  | Smiths   Bellows                                                                                                                                                                                                                                                                                                                                                                                              |
| THE PERSON IN TAXABLE PERSON IN THE PERSON NAMED IN THE PERSON NAM | Smiths' Bellows—  See Bellows.  Snaps, Harness, &c.—  Anchor (T. & S. Mfg. Co.)                                                                                                                                                                                                                                                                                                                               |
| THE REPORT OF THE PARTY PARTY. NO. 120 DESCRIPTION OF THE PARTY PARTY PARTY. NO. 120 DESCRIPTION OF THE PARTY PARTY PARTY. NO. 120 DESCRIPTION OF THE PARTY. NO. 120 DESCRIPTION OF THE PARTY PARTY. NO. 120 DESCRIPTION OF THE PA | Smiths' Bellows—  See Bellows.  Snaps, Harness, &c.—  Anchor (T. & S. Mfg. Co.)                                                                                                                                                                                                                                                                                                                               |
| THE REPORT OF THE PARTY AND TH | Smiths   Bellows                                                                                                                                                                                                                                                                                                                                                                                              |
| THE REPORT OF THE PARTY NAMED OF THE PARTY O | Smiths   Bellows                                                                                                                                                                                                                                                                                                                                                                                              |
| THE REPORT OF THE PARTY WARRANT AND THE PROPERTY OF THE PARTY OF THE P | Smiths   Bellows                                                                                                                                                                                                                                                                                                                                                                                              |
| THE REPORT OF THE PARTY WARRANT AND THE PROPERTY OF THE PARTY OF THE P | Smiths' Bellows—  See Bellows.  Snaps, Harness, &c.—  Anchor (T. & S. Mfg. Co.)                                                                                                                                                                                                                                                                                                                               |

| Holmes & Edwards                                                                      | 50&10&10¢<br>50g<br>wo. 19—        |
|---------------------------------------------------------------------------------------|------------------------------------|
| "1847". "Anchor". "Eagle".                                                            | ৠ doz. pet.<br>                    |
| "Star" Rogers, Smith & Co Rogers & Hamilton Holmes & Edwards                          | 8.25<br>8.25                       |
| Springs—<br>See Door Springs.                                                         |                                    |
| Spring Balances—<br>See Balances.                                                     |                                    |
| Spring Hinges-<br>See Hinges.                                                         |                                    |
| Squares—<br>Disston's Try Square and                                                  | 1 T Bevels,<br>60&:10\$            |
| Starrett's Micrometer Calif<br>Try Square and T Bevel                                 | 60&10                              |
| Winterbottom's Try and I<br>Nickel-Plated. New Li                                     | EL JAD. 5.                         |
| 1900,<br>Steel and Iron<br>Staples—                                                   | 70@70&10\$                         |
| Barbed Blind—14, 54, an                                                               | 09&c.@1c.                          |
| Same price as Barb Wir<br>Report.                                                     | e. Bee Trade                       |
| Stay Rollers— Cronk's, No. 50  " Nos. 55 and 56 " No. 60                              |                                    |
| " No. 60                                                                              | 60&10s                             |
|                                                                                       | 80s                                |
| BICYCLE— Holroyd & Co  BLACKSHITH'S—                                                  |                                    |
| Butterfield's                                                                         |                                    |
| PIPE MAKERS—<br>Holroyd & Co                                                          |                                    |
| Stones—<br>See Oilstones.                                                             |                                    |
| Stops—<br>See Bench Stops.                                                            |                                    |
| Store Door Handles See Handles.                                                       | <b>!</b>                           |
| Store Ladders—<br>Myers' Noiseless                                                    |                                    |
| Stove Bolts—<br>See Bolts.                                                            |                                    |
| Stove Polish—<br>See Polish, Stove.                                                   |                                    |
| Sweepers—<br>See Carpet Sweepers.                                                     |                                    |
| Tackle Blocks—<br>See Blocks.                                                         |                                    |
| Tacks, Brads, &c. List Jan. 15, 1899. American Cut Tacks                              | 90&:\$5\$                          |
| Carnet Tacks:                                                                         |                                    |
| American, Blued                                                                       | 90&10&10¢                          |
| S. S                                                                                  | 90&40%<br>ds70&10%<br>70&10%       |
| 8. S                                                                                  |                                    |
| S. S                                                                                  |                                    |
| Steel, Black                                                                          | 90&306<br>80&36<br>80&36           |
| Uphoisterers Tacks:                                                                   | 90&40\$                            |
| Double Point, in dozens,                                                              | 10&10&10&10\$<br>80\$              |
| Double Point, in bulk Matting Shade, in dozens Shade, in bulk                         | 90&10&10<br>80\$                   |
| Tack Pullers -<br>Columbia, No. 1, 9 doz.,<br>Columbia, No. 2, 9 doz.,<br>Little Jack | net\$1.00<br>net 1.50<br>dos., 100 |

| Tapes, Measuring-                                                           | Chamle:                                                                              |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                                                                             | Shaw's:                                                                              |
| American Asses' Skin                                                        | Copper Finished                                                                      |
| Steel                                                                       |                                                                                      |
| Chestermans. 25625.8.54                                                     | Traps—                                                                               |
| Keuffel & Esser Co., New List, 1898:                                        | PLY-                                                                                 |
| Steel and Metallic                                                          | Balloon # doz. \$1.2                                                                 |
| Steel                                                                       | Balloon # doz. \$1.2<br>Globe # doz. 1.2                                             |
| Tap Borers—                                                                 | marper w doz. 1.4                                                                    |
| See Borers, Tap.                                                            | GAME—                                                                                |
|                                                                             | Star, Blake's Pattern                                                                |
| Taps—                                                                       | Enterprise Mole<br>H. & N                                                            |
| American Screw Co.:                                                         | Newhouse                                                                             |
| Machine Screw                                                               | Victor                                                                               |
| Blacksmiths ansaran                                                         | MOUSE AND RAT-                                                                       |
| Blacksmiths                                                                 | Hotchkiss:                                                                           |
| Machinists' Hand60@60&10&10%                                                | Metallic Mouse                                                                       |
| Pipe, 16 to 116                                                             | Improved Rat                                                                         |
| Pipe, 2 to 4                                                                | New Rat                                                                              |
| Thumb Latches—                                                              | New Rat                                                                              |
| See Handles.                                                                | -Louis Hood, Chorel, &                                                               |
|                                                                             | Marty French Rat and M                                                               |
| Tinware-                                                                    | (Genuine):                                                                           |
| Stamped, Japanned and Pieced,                                               | (Genuine):<br>No. 1, Rat, each \$1.18,                                               |
| Net Prices.                                                                 | TAN OF THEIR AS MORT SO                                                              |
| Tire Bolts-                                                                 | of 50<br>No. 3½, Rat, # doz., \$                                                     |
| See Bolts.                                                                  | 01 72                                                                                |
| Tobacco Cutters-                                                            | No. 4. Monse. 39 doz. 93                                                             |
|                                                                             | of 72                                                                                |
| National Specialty Co40%<br>Enterprise Mfg. Co25@80%                        | No. 5, Mouse, & doz                                                                  |
|                                                                             | Robuston Det Willen Ma                                                               |
| Toilet Clippers—                                                            | elk on No 9 20                                                                       |
| See Clippers.                                                               | Mouse No 2                                                                           |
|                                                                             | Smith & Egge Mfg. Co.:                                                               |
| Trammel Points                                                              | \$15.00; No. 2, # gro<br>Mouse, No. 3<br>Smith & Egge Mfg. Co.:<br>Superior Rat Trap |
| Backus and Union                                                            | I BU KOO MIUUSO I TAD                                                                |
| C. E. Jennings & Co., "Eureka"25%                                           | Yankee Rat Trap                                                                      |
| Sergent's                                                                   | Trowels-                                                                             |
| Sargent's                                                                   | Brade's Brick                                                                        |
| Tower & Lyon                                                                | Disston's:                                                                           |
| Prentiss' 20@255                                                            | Brick and Pointing                                                                   |
|                                                                             | Plastering<br>"Standard Brand" and                                                   |
| Tracks, &c.—                                                                | "Standard Brand" and                                                                 |
| F. R. Myers & Bro.:                                                         | C. E. Jennings & Co.:                                                                |
| Comb. Car, Double Steel T\$8.50                                             | Brick                                                                                |
| F. E. Myers & Bro.:  Comb. Car, Double Steel T\$3.50  Comb. Car, Wood Track | Pointing                                                                             |
| Fig. 488 Cook Sheave Palley,                                                | W. & McP. Plastering                                                                 |
| D. H. Fork Steel Raomlar each on                                            |                                                                                      |
| Double Grapple Forkeach. 8.60                                               | " Rose " Brick, Plastering                                                           |
| Double Rail Steel Track, complete                                           | ers                                                                                  |
| with clamps ft10                                                            | Vegetable Slicers-                                                                   |
| rautiess Steel Frame K. P. Pulley,                                          | Enterprise Mfg. Co                                                                   |
| Faultless Steel Frame 4 in Disin                                            |                                                                                      |
| Pulley, Fig 485 20 doz. 1 20                                                | Vises—                                                                               |
| Floor Hooks % in # dos70                                                    | Solid Box                                                                            |
| Floor Pulley, Wood Sheave, Fig.                                             | Columbian Haw. Co                                                                    |
| Hanging Hocks for Delta doz. 2.25                                           | Fisher-Norris                                                                        |
| Track . 20 Acc . 22                                                         | Armstrong's:                                                                         |
| Hanging Hooks for Single Steel                                              | Combination                                                                          |
| Track 39 doz65                                                              | Athol, Oval Slide                                                                    |
| Hanging Hooks for Wood Track.                                               | Bonney's Champion                                                                    |
| Track                                                                       | Bonney's Champion<br>Fisher & Norris Double &                                        |
| Hanging Hooks for Wood Track, 36  14 in                                     | Holland's                                                                            |
| Malleable Frame K. P. Pulleva                                               | Little Giant Bench                                                                   |
| Fig. 676 9 doz. 2.40                                                        | Lowell Hand                                                                          |
| Malleable Rafter Brackets, # dos40                                          | Massey:                                                                              |
| Neilis Forkeach, 1.60                                                       | Perfect                                                                              |
| Reed Wood Frame Dalles 8.95                                                 | Clincher                                                                             |
| Hook, Fig. 434 25 dos 0 00                                                  | Wood-Working                                                                         |
| Rev. Car., Double Steel Track 8.50                                          | Planer<br>Comb. Pipe                                                                 |
| Rev. Car., Wood Track 8.25                                                  | Millers Falls:                                                                       |
| Rope Hitch @ doz. 1.75                                                      | Mechanics'                                                                           |
| Single Rail Car, Single Steel T 8.50                                        | Oval Slide                                                                           |
| elamps Rau Steel Track with                                                 | Ball Clamp                                                                           |
| Sprout's Shear Fork each                                                    | Gravity                                                                              |
| Steel Frame Pulley with Iron                                                | Hand                                                                                 |
| Sheave, Fig. 565, & doz 1.85                                                | Phenix                                                                               |
| Sure Grip Sling Car, Steel or Wood                                          | Prenties                                                                             |
| Track                                                                       | Margent's                                                                            |
| Wronght Refter Brackets 20 dec 40                                           | Sumpson's Adjustable                                                                 |
| .40 F GOD F. STELLES DIECES, F. GOD.                                        | Stephens                                                                             |
| Transom Lifters—                                                            | Trenton                                                                              |
|                                                                             | **************************************                                               |
| Ajax                                                                        | Bonney's No. 2, \$15.00                                                              |
| 50@50&10≤                                                                   |                                                                                      |
| Trescent                                                                    | Stearns Com. No. 0, 1,                                                               |
| Dickson's                                                                   |                                                                                      |
| Dickson's                                                                   | Stearns Rubber Jaw, Nos                                                              |
| 804, \$\frac{1}{2}\$ 100                                                    | Wentworth's                                                                          |
|                                                                             | Wentworth's                                                                          |
|                                                                             |                                                                                      |

|                                                                                                                                                                                                                                                                                        | _ |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 8haw's: Copper Finished                                                                                                                                                                                                                                                                | × |
| Traps—                                                                                                                                                                                                                                                                                 |   |
| #1.Y— Balloon \$\pi \ \doz. \$1.25, \$\pi \ \text{gro.} \$11.0 Globe \$\pi \ \doz. 1.25, \$\pi \ \text{gro.} 11.0 Harper \$\pi \ \doz. 1.40, \$\pi \ \text{gro.} 12.5                                                                                                                  | 0 |
| GAME—Star, Blake's Pattern         60&1           Enterprise Mole         15           H. & N         65           Newhouse         45@46&5           Victor         75                                                                                                                | 0 |
| Victor                                                                                                                                                                                                                                                                                 | í |
| Hotchkiss: Metallic Mouse                                                                                                                                                                                                                                                              | ĸ |
| New Rat                                                                                                                                                                                                                                                                                |   |
| Marty French Rat and Mouse Traps                                                                                                                                                                                                                                                       | 3 |
| (Genuine):  No. 1, Rat, each \$1.13, \$\pi  \text{doz}\\$12.00  No. 3, Rat, \$\pi  \text{doz}\\$6.00; case of 50  No. 3\pi_6, Rat, \$\pi  \text{doz}\\$4.75; case of 72  No. 4, Mouse, \$\pi  \text{doz}\\$3.50; case of 72  No. 5, Mouse, \$\pi  \text{doz}\\$3.25; case of 150  2.25 |   |
| No. 3)4, Rat, \$\text{8} doz., \$4.75; case of 72                                                                                                                                                                                                                                      | , |
| No. 4, Mouse, # doz., \$8.50; case of 72                                                                                                                                                                                                                                               | , |
| No. 5, Mouse, \$ dos., \$2.75; case of 150                                                                                                                                                                                                                                             | j |
| \$15.00; No. 2, \$1 gronet \$15.00<br>Mouse, No. 3net 9.00<br>Smith & Egge Mfg. Co.: 38 dos                                                                                                                                                                                            | , |
| Superior Rat Trap \$15.00 Yankee Mouse Trap 5.50                                                                                                                                                                                                                                       |   |
| Trowels-                                                                                                                                                                                                                                                                               |   |
| Brade's Brick                                                                                                                                                                                                                                                                          |   |
| "Standard Brand" and Clardon 40st                                                                                                                                                                                                                                                      |   |
| C. E. Jennings & Co.:                                                                                                                                                                                                                                                                  |   |
| Plastering. 25% Pointing 905 W & McP. Plastering 25% Peace's Plastering 25% Rose" Brick, Plastering and Mould-                                                                                                                                                                         |   |
| ** Rose " Brick, Plastering and Mould-<br>ers                                                                                                                                                                                                                                          |   |
| Vegetable Slicers—<br>Enterprise Mfg. Co                                                                                                                                                                                                                                               |   |
| Vises—<br>Solid Rox 40&10@404                                                                                                                                                                                                                                                          |   |
| 80lid Box                                                                                                                                                                                                                                                                              |   |
| Armstrong   Combination   60s                                                                                                                                                                                                                                                          |   |
| Athol, Oval Slide40%<br>Bonney's Champion40%<br>Risher & Norris Donble Screw 15&10s                                                                                                                                                                                                    |   |
|                                                                                                                                                                                                                                                                                        |   |
| Howard's40≼<br>Little Giant Bench25&10≼<br>Lowell Hand                                                                                                                                                                                                                                 |   |
| Perfect.         15@20g           Clincher         80@40g           Wood-Working         15@20g                                                                                                                                                                                        |   |
| Comb. Pipe40≰                                                                                                                                                                                                                                                                          |   |
| Mechanics'net@10g<br>Oval Slide50&10c                                                                                                                                                                                                                                                  |   |
| Gravity                                                                                                                                                                                                                                                                                |   |
| Hand 15% Moore's 20% Phemix 88146                                                                                                                                                                                                                                                      |   |
| largent's                                                                                                                                                                                                                                                                              |   |
|                                                                                                                                                                                                                                                                                        |   |
| SAW FILERS-                                                                                                                                                                                                                                                                            |   |
| tearns Com. No. 0, 1, 2 and 8,                                                                                                                                                                                                                                                         |   |
| tearns Rubber Jaw, Nos. 10 and 88, 8814@40s                                                                                                                                                                                                                                            |   |
| Ventworth's40%                                                                                                                                                                                                                                                                         |   |
|                                                                                                                                                                                                                                                                                        |   |

| Wads—<br>See Ammunition.                                                                                           |
|--------------------------------------------------------------------------------------------------------------------|
| Wagon Jacks— Covert Mfg. Co.'s, Steel                                                                              |
| Washer Cutters—                                                                                                    |
| Otis A. Smith's                                                                                                    |
| Well Wheels—<br>Japanned, 8 to 14 inches70%                                                                        |
| Weed Extractors— "Pastime"₩ doz. \$1.75 net                                                                        |
| Window Cleaners                                                                                                    |
| Barnes Mfg. Co                                                                                                     |
| Window Stop Adjusters-                                                                                             |
| Ives' New List                                                                                                     |
| Wire Gauges—<br>See Gauges.                                                                                        |
| Wire and Wire Goods-                                                                                               |
| Brass Wire                                                                                                         |
| Cast Steet Wire Kow                                                                                                |
| Copper Wire                                                                                                        |
| Brass and Copper on Spools                                                                                         |
| Spooled Wire, ase'd for Retailing 70%                                                                              |
| Nos. 6 to 9                                                                                                        |
| Nos. 10 to 18                                                                                                      |
| Brass and Copper on Spools. 60% Spooled Wire, ass'd for Retailing70% Market Wire, Bright and Annealed: Nos. 6 to 9 |
| Nos. 6 to 9                                                                                                        |
| Nos. 10 to 18                                                                                                      |
| Nos. 6 to 9. 6634&55<br>Nos. 10 to 18. 705<br>Nos. 19 to 26. 70&10<br>Nos. 27 to 36. 70&10&10\$                    |
| Tinned:                                                                                                            |
| Nos. 15 to 18                                                                                                      |
| Nos. 97 to 86                                                                                                      |
| Trined:   Nos. 6 to 14                                                                                             |
| Steel Music Wire. Nos. 19 to 30 Im-                                                                                |
| ported                                                                                                             |
|                                                                                                                    |

|   | Wire Clothes Lines—<br>See Lines.                                                                                                                                                                                                                                                   |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ; | Wire Cloth, Netting, &c                                                                                                                                                                                                                                                             |
| ; | Galvanized Wire Netting 80&10@80&20%<br>Painted Screen Cloth, good quality,<br>\$ <b>9</b> \ 100\ \text{sq. ft. \$1.00@1.10}                                                                                                                                                        |
| ; | Wire Rope-                                                                                                                                                                                                                                                                          |
|   | New List July 1, 1899.       30%         Cast Steel       30%         Iron       80@30&10%         Iron, Galvanized       20&10%                                                                                                                                                    |
|   | Wire Rope Clips Croeby                                                                                                                                                                                                                                                              |
|   | Wire Stretchers-                                                                                                                                                                                                                                                                    |
|   | W. C. Heller's Grip \$\pi\$ doz. \$1.50                                                                                                                                                                                                                                             |
|   | Wrenches-                                                                                                                                                                                                                                                                           |
|   | Agricultural                                                                                                                                                                                                                                                                        |
|   | Bemis & Call's:                                                                                                                                                                                                                                                                     |
|   | Briggs Pattern         80&10%           No. 3 Cylinder         55%           No. 8 Pipe, Bright         50%           Patent Combination Black         40&5%           Patent Combination Bright         40%                                                                        |
|   | Bicycle:                                                                                                                                                                                                                                                                            |
|   | Club       40%         Superior       40%         Featherweight       40%         Protection       40%         Boardman's       80@8834s                                                                                                                                            |
|   | Coes':                                                                                                                                                                                                                                                                              |
|   | Genuine                                                                                                                                                                                                                                                                             |
|   | Donohue's Engineer       40%         Eagle Pipe       50&10%         Gem       38½         Stillson Pipe       50%         Taylor Pipe and Nut       40%         Acme       60@60&b%         Bull Dog       60&10%         Herculee       70%         J. H. Williams & Co       25% |

#### PAINTS, OILS AND COLORS.

| Spirits Turpentine—                     |
|-----------------------------------------|
| In regular bbls                         |
| In machine bbls881/4@89 e               |
| Dry Colors—                             |
| <b>39 15</b>                            |
| Blue, Chinese                           |
| Blue, Prussian                          |
| Blue, Ultramarine 6 @80 e               |
| Sienna, Italian, burnt &                |
| powdered 414@10 c                       |
| Sienna, Italian, raw &                  |
| powdered 8 @ 7 e                        |
| Umber, Turkey, burnt 214@ 814c          |
| Umber, Turkey, raw 214@ 814c            |
| Green, Chrome, Ordinary 5 @ 7 c         |
| Green, Paris, in bulk15 @16 c           |
| Indian Red, American 214@ 8             |
| Indian Red, English 4340 8340           |
| and |
| Colors in Oil—                          |
| Black Lampblack, best 18 @15 e          |
| Black Lampblack, common 8 @10 @         |
| Blue, Chinese                           |
| Blue, Prussian                          |
| Blue, Ultramarine 14 @18 c              |
| Sienna, burnt                           |
| Sienna, raw                             |
| Umber, burnt                            |
| Umber, raw                              |
| Brown, Vandyke11 @18 c                  |
| 2.0 , and ac 11 (910 C                  |
|                                         |



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#### CLASSIFIED INDEX TO ADVERTISERS.

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Iwan Bros., Streator, Ill.
Willoughby Fork & Mfg. Co., Willoughby, Ohio.

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Iowa Farming Tool Co., Fort Madison, Ia.

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Conn.
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rass and Composition Castings. Magnolia Metal Co., New York.

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Samon Cordage Works, Boston.

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Fodder Cutters. Silver Mfg. Co., Salem, Ohio.

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Enterprise Mfg. Co. of Pa., Philadelphia.

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Grain and Barley Forks. iowa Farming Tool Co., Fort Madi-son, Is.

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Iowa Farming Tool Co., Ft. Madison,

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Blacklock Foundry, South Pittsburgh,
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Halters, Web and Rope. Covert Mfg. Co., West Troy, N. Y.

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John H. Graham & Co., New York.

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Sargent & Co., New York.

Stanley Rule and Level Co., New
York.

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Berger Bros. Co., Philadelphia.

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Cronk & Carrier Mfg. Co., Elmira,
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Van Dorn Iron Works Co., Cleveland
Ohio.

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Sargent & Co., New York.

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J. D. Warren Mfg. Co., Chicago, Ill.
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Robert Murray, New York.

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Alfred Field & Co., New York.
Charles Morrill, New York.
Robert Murray, New York.
Sargent & Co., New York.

Harness Dressing. Frank Miller Co., New York, N. Y.

Harness Snaps.
Covert Mfg. Co., West Troy, N. Y.
W. & B. T. Fitch Co., New Haven,
Con. Sargent & Co., New York.

Hasps and Staples.
McKinney Mfg. Co., Allegheny, Pa.

Hay Carrying Tools.
Janesville Hay Tool Co., Chicago, Ill.
P. R. Myers & Bro., Ashland, Obio.
J. E. Porter Co., Ottawa, Ill.

Hay Forks.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Ia.
Janesville Hay Tool Co., Chicago, Ill.
Willoughby Fork & Mfg. Co., Willoughby, O.

Hay Knives. [wan Bros., Streator, Ill.

Hay Presses.
J. E. Porter Co., Ottawa, Ill.

Hay Slings.
Janesville Hay Tool Co., Chicago, Ill.

Header Forks.
Iowa Farming Tool Co., Fort Madison, Ia.

Heaters, Oil.
Plume & Atwood Mfg. Co., New
York, Boston and Chicago.

Hinges.
Clark Mfg. Co., Buffalo, N. Y.
McKinney Mfg. Co., Allegheny, Pa.
Niles Mfg. Co., Chicago.
Sargent & Co., New York.

Hinges, Shutter.
Baltinger & Berkley Pat. Hinge Mfg.
Co., St. Louis, Mo.
Clark Mfg. Co., Buffalo, N. Y.

Hinges, Spring.

Bommer Bros., Brooklyn, N. Y.
Niles Mfg. Co., Chicago.

Sargent & Co., New York.

Hinges, Trunk, Boz and Door. Brass Goods Mfg. Co., Brooklyn, N. Y

Hoisting Machinery. Burr Mfg. Co., Cleveland, Ohio. Kimball Bros. Co., Council Bluffs, Ia.

Hollow Ware. Blacklock Foundry, South Pittsburgh, Tenn.

Hones, Razor.
Alfred Field & Co., New York.

Hone Strops.
J. H. Pero, Chicago, Ill.

Hooks.

Berger Bros. Co., Philadelphia.

John H. Graham & Co., New York.

Sargent & Co., New York.

Horse and Cattle Ties. Covert Mfg. Co., West Troy, N. Y.

Horse Nails.

Ausable Horse Nail Co., New York.

Capewell Horse Nail Co., Hartford,

Conn.

Horse Rasps.
G. & H. Barnett Co., Phila., Ps.
Nicholson File Co., Providence, R. I.

Hose Menders.
John H. Graham & Co., New York. Hose Pipe. F. E. Myers & Bro., Ashland, Ohio.

Hose, Rubber. F. E. Myers & Bro., Ashland, Ohio.

Ice Balances.
John Chatillon & Sons, New York.
Pelouse Scale & Mfg. Co., Chicago.

Ice Chisels.
John Chatilion & Sons, New York.
Iowa Farming Tool Co., Ft. Madison,
Iowa.

Ice Cream Freezers.

Dana & Co., Cincinnati, O.

John H. Graham & Co., New York.

North Bros. Mfg. Co., Philadelphia.

Tower & Lyon, New York.

lee Creepers.
Edwin B. Stimpson & Son, New York.
Tower & Lyon, New York.
Union Hardware Co., Torrington,
Conn.

Ice Harvesting Implements. Wm. T.Wood & Co., Arlington, Mass.

Ice Picks.

John Chatillon & Sons, New York.

Erie Specialty Co., Erie, Pa.

C. E. Jennings & Co., New York

Wm. T. Wood & Co., Arlington, Mass.

Ice Tools.
John Chatilion & Sons, New York.
Erie Specialty Co., Erie, Pa.
Wm. T. Wood & Co., Arlington, Mass.

Iron, Sheet. Bruce & Cook, New York.

Iron Fences.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland, Ohio.

Iron Pipe. Colwell Lead Co., New York.

J. E. Bolles Iron and Wire Works, Detroit, Mich. Enterprise Foundry & Fence Co., Indianapolis, Ind. Van Dorn Iron Works Co., Cleveland, Ohio.

Jack Chains.

Smith & Egge Mfg. Co., Bridgeport,
Conn.

Job Lots.
Chicago House Wrecking Co., Chicago, Ill.
A. N. Jacob, New York City.

Kitchen Cutlery. C. J. Kimball Co., Bennington, N. H.

C. J. Kimball Co., Bennington, N. H.
Ladders.
Berger Bros. Co., Philadelphia.
Lane Bros. Co., Poughkeepsie, N. Y.
F. E. Myers & Bro., Ashland, Ohlo.
Lamps, Bicycle.
John'H. Graham & Co., New York.
Plume & Atwood Mig. Co., New
York, Boston and Chicago.

Lard Presses.
Enterprise Mfg. Co. of Pa., Philadelphia.

delphia.

Lawn Fences.

W. J. Adam, Joliet, Ill.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Stewart Iron Works, Cincinnati, O.
Up-To-Date Mfg. Co., Terre Haute,
Ind.
Van Dorn Iron Works Co., Cleveland,
Ohio.

Lawn Mowers.
Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Coldwell Lawn Mower Co., Newburgh, N. Y.

Lawn Rakes. Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Ft. Madison, Ia.

Lawn Sweepers.
Greene Mfg. Co., Springfield, O.
Lawn Tools.
Geneva Tool Co., Geneva, O.

Lead.
Bruce & Cook, New York.
Colwell Lead Co., New York.

Lead Pencils.
Joseph Dixon Crucible Co., Jersey
City, N. J.

Lead Pipe. Colwell Lead Co., New York. Lemon Squeezers.

Berger Bros. Co., Philadelphia.

Erie Specialty Co., Erie, Pa.

John H. Graham & Co., New York.

John Sommer's Son, Newark, N. J.

Levels.
Stanley Rule & Level Co., New York.
Tower & Lyon, New York.

Looks and Knobs.

Brass Goods Mfg. Co., Brooklyn, N.Y.
John H. Graham & Co., New York.
Sargent & Co., New York and New
Haven, Coan.

Lubricants.
Joseph Dixon Crucible Co., New York
and Jersey City, N. J.

Luminous Bait. Enterprise Mfg. Co., Akron, O. Magnolia Metal.
Magnolia Metal Co., New York.

Mallets.

Bruce & Cook, New York.

N. Y. Mallet & Handle Works, New York, N. Y.

John Sommer's Son, Newark, N. J.

Stanley Rule and Level Co., New York.

Tower & Lyon New York. York. Tower & Lyon, New York. Union Hdw. Co., Torrington, Conn.

Manicure Appliances.
H. C. Cook Co., Ansonia, Conn.

Manure Forks.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madi-

Manure Hooks. Geneva Tool Co., Geneva, O. Masons' Lines. Samson Cordage Works, Boston.

Measuring Pumps.
Enterprise Mfg. Co. of Pa., Philadelphia.

Measuring Tapes.
Alfred Field & Co., New York.
John H. Graham & Co., New York.
Keuffel & Esser, New York.

Meat Choppers
John Chatillon & Sons, New York,
Enterprise Mfg. Co. of Pa., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co. of Pa., Phila delphia.
John H. Graham & Co., New York.
Sargent & Co., New York.

Mills, Coffee and Spice.
John Chatillon & Sons, New York.
Enterprise Mfg. Co. of Pa., Philadelphia.

Mills, Drug. Enterprise Mfg. Co. of Pa., Phila-Enterprise delphia.

Mincing Knives.
Enterprise Mfg. Co. of Pa., Philadelphia.

John H. Graham & Co., New York.

Mitre Boxes. C. E. Jennings & Co., New York.

Mop Wringers.
Beech Novelty Co., Mansfield, O.

Mortar Hoes. Iowa Farming Tool Co., Fort Madison, Ia.

Mowing Machine Oilers. Wilmot & Hobbs Mfg. Co., Bridge-port, Conn.

Nails. Bruce & Cook, New York. Fuller Bros. & Co., New York. Chas. J. Stebbins & Co., New York.

Nail Puilers.
Bridgeport Mfg. Co., Bridgeport,
Conn.
The Scranton & Co., New Haven, Tower & Lyon, New York.

Nail Sets.
John H. Graham & Co., New York.
C. E. Jennings & Co., New York.

Needles.
Alfred Field & Co., New York.

Nippers.
Alfred Field & Co., New York.
Charles Morrili, New York.

Nuts.
Atlas Bolt and Screw Co., Cleveland,
Ohlo.
Columbus Bolt Works Columbus, O.
Milton Mfg. Co., Milton, Pa.

Office Railings.

J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Gilbert & Bennett Mfg. Co., New
York and Chicago.
Stewart Iron Works, Cincinnati, O.

Oilers.
Cushman & Denison, New York.
Tower & Lyon, New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Oil Heaters. Plume & Atwood Mfg. Co., New York, Boston and Chicago.

ork, soston and Chicago.

Ornamental Iron Work.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Stewart Iron Works, Cincinnati, O.
Van Dorn Iron Works Co., Cleveland, Ohio.

Padlocks. Addicess.

Ames Sword Co., Chicopee, Mass.

Alfred Field & Co., New York.

John H. Graham & Co., New York.

Smith & Egge Mfg. Co., Bridgeport. Conn. Tower & Lyon, New York.

Paints.
Bruce & Cook, New York.
Jos. Dixon Crucible Co., Jersey City,
N. J.

Paper Clips.
Cushman & Denison, New York. Patents

Davis & Davis, New York.

Pencils.
Joseph Dixon Crucible Co., Jersey
City, N. J.

Pig Lead. Colwell Lead Co., New York.

Pig Tin.
Colwell Lead Co., New York. Pipe Cutters.
Armstrong Mfg. Co., Bridgeport, Conn.
Alfred Field & Co., New York.
Trimout Mfg. Co., Roxbury, Mass

Pipe Straps.
Berger Bros. Co., Philadelpnia.
Bruce & Cook, New York.
Smith & Egge Mfg. Co., Bridgeport.

Pipe Threading Machines.
Armstrong Mfg. Co., Bridgeport,

Pipe Vises.
Armstrong Mfg. Co., Bridgeport, Conn. Howard Iron Works, Buffalo, N. Y Tower & Lyon, New York.

Pistols. J. Stevens Arms & Tool Co., Chicopes Falls, Mass.

Planes.
C. E. Jennings & Co., New York.
Sargent & Co., New York.
Stanley Rule and Level Co., New
York.
Towar & Lyon, New York.

Planters' Hoes. Iowa Farming Tool Co., Fort Madison, Ia.

Plated Ware.
M. S. Benedict Mfg. Co., E. Syracuse,
N. Y.
Luther Boardman & Son, East Had
dam, Conn.
Alfred Field & Co., New York.

Plates, Machinery.
Schwerdtle Stamp Co., Bridgeport Conn.

Plate Washers.
Milton Mfg. Co., Milton, Pa. Pliers, Fencing. Cronk & Carrier Mfg. Co., Elmira

N. Y. Alfred Field & Co., New York. Plumbers' Supplies.
Berger Bros. Co., New York.
Bruce & Cook, New York.
Colwell Lead Co., New York.
Smith & Egge Mfg. Co., Bridgeport,
Conn.

Pocket Cutlery,
John Chatillon & Sons, New York.
Alfred Field & Co., New York,
Jackson Knife & Shear Co
Fremont, O.

Police Equipments.
Tower & Lyon, New York.

Polish, Stove.
Joseph Dixon Crucible Co., Jersey
City, N. J.

ost Hole Augers. Iwan Bros., Streator, Ill.

Post Hole Diggers.
John H. Graham & Co., New York, iwan Bros., Streator, Ill.
F. E. Kohler & Co., Canton, O.
Potato Digging Forks.
Iowa Farming Tool Co., Fort Madison is

Potato Hooks. Geneva Tool Co., Geneva, O.

Geneva Tool Co., Geneva, O.

Poultry Netting.
Chicago House Wrecking Co., Chicago, Ill.
Clinton Wire Cloth Co., Clinton,
Mass.
Gilbert & Bennett Mfg. Co., New
York, Chicago.
Jones National Fence Co., Columbus,
Oblo

YOTK, CHICAGO,
Jones National Fence Co., Columbus,
Ohio.
New Jersey Wire Cloth Co., New
York, Trenton, Chicago, San Francisco.

Power Hammers.
The Scranton & Co., New Haven,
Conn.

Price Books.
Hardware Publishing Co., New York. Hardware Publishing Co., New York.
Pruning Shears.
Cronk & Carrier Mfg. Co., Elmira,
N. Y.
Pulleys, Hoisting.
Burn Mfg. Co., Cleveland, Ohio.
F. E. Myere & Bro., Ashland, Ohio.
Pulleys, Hook.
Janesville Hay Tool Co., Chicago, Ill.

Conn.

Woodman Mfg. & Supply Co.,
Boston, Mass.

Railings, Wire and Iron.
J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Clinton Wire Cloth Co., Clinton, Mass. Stewart Iron Works, Cincinnati, O.

Rail, Barn Door.
Cronk & Carrier Mfg. Co., Elmira,
N. Y.

N. Y. Lane Bros. Co., Poughkeepsie, N. Y. McKinney Mfg. Co., Allegheny, Pa.

Bailroad Brasses.

Magnolia Metal Co., New York. Bailway and Mill Supplies. American Railway Supply Co., New York.
R. Woodman Mfg. & Supply Co., R. Wo.

Raisin Seeders.
Enterprise Mfg. Co. of Pa., Philadelphia.

Rakes.
Geneva Tool Co., Geneva, O.
John H. Graham & Co., New York.
Iowa Farming Tool Co., Fort Madison, Ia.

Ranges. Schill Bros. Co., Crestline, Ohio.

Alfred Field & Co., New York. International Cutlery Co., Frem Jackson Knife & Shear Fremont, O. ont. O. seeph Rodgers & Sons, New York and Sheffield, England.

Reamers. C. E. Jennings & Co., New York. Beels, Fishing. Enterprise Mfg. Co., Akron, O.

Reels. Wood.
John Sommer's Son, Newark, N. J.

Refined Bar Iron.
Milton Mfg. Co., Milton, Pa.

Befrigerators.

Baldwin Refrigerator Co., Burlington,
Vt.

Cooper & McKee, Brooklyn, N. Y.

Monarch Refrigerator Works, Burlington, Vt.

Refrigerator Door Fasteners. Bernard Gloekler, Pittsburgh, Pa.

Begisters, Warm Air. Berger Bros. Co., Philadelphia

Revolution Counter.
Tabor Revolution Counter, Elizabeth, R. Woodman Mfg. & Supply Co., Boston, Mass.

Revolving Horse Hay Rakes. Geneva Tool Co., Geneva, O.

Rifles.
J. Stevens Arms & Tool Co., Chicopee
Fails, Mass.

Rivets.
Atlas Bolt and Screw Co., Cleveland, Ohio.
Berger Bros. Co., Philadelphia.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.
C. & E. P. Townsend, New Brighton, Pa.

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington,
Conn., and New York.

Roof Bolts.
Columbus Bolt Works, Columbus, O.

Boof Rods.
Columbus Bolt Works, Columbus, O.

Boofing, Granite.
Eastern Granite Roofing Co., New

Boofing Plates.
Merchant & Co.,Inc.,Philadelphia,Pa. Roofing and Roofers' Supplies.
American Steel Roofing Co., Middletown, Ohio.
Berger Bros. Co., Philadelphia.
Bruce & Cook, New York.
Merchant & Co., Inc., Philadelphia, Pa.

Rules. Alfred Field & Co., New York. Stanley Rule and Level Co., New York.

Sad Irons. Blacklock Foundry, South Pittsburgh, Enterprise Mfg. Co. of Pa., Philadelphia.

Sand and Emery Paper.

Baeder, Adamson & Co., New York,
Philadelphia, Boston and Chicago.

Sand Screens.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Sach Chains. Smith & Egge Mfg. Co., Bridgeport, Conn. Tower & Lyon, New York.

Samson Co Samson Cordage Works, Boston. Tower & Lyon, New York.

Sash Fixtures. Smith & Egge Mfg. Co., Bridgeport,

Sash Locks.
Champion Safety Lock Co., Clevehampion Safety Lock ou., Silland, Ohio.
7. & E. T. Fitch Co., New Haven, w H. B. Ives & Co., New Haven, Conn.

Sash Pulleys. Sargent & Co., New York. Sash Weights (Lead). Colwell Lead Co., New York.

Sausage Stuffers.
Enterprise Mfg. Co. of Ps., Philadelphia.
Sargent & Co., New York.

Saws. E. C. Atkins & Co., Indianapolis, Henry Disston & Sons, Philadelphia.

Pa. C. E. Jennings & Co., New York. Sargent & Co., New York. Saws, Butchers'. John Chatillon & Sons, New York.

Saw Sets. E. C. Atkins & Co., Indianapolis, Ind. Ind. Alfred Field & Co., New York. F. R. Kohler & Co., Canton, O. Charles Morrill, New York.

Saw Sharpeners.
Sterling Wrench Co., Rockford, Ill.

Saw Tools.
E. C. Atkins & Co., Indianapolis, Ind.
C. E. Jennings & Co., New York.

Scales.

John Chatillon & Sons, New York.
Osgood Scale Co., Binghamton, N. Y.
Pelouze Scale & Mfg. Co., Chicago.
Scrapers, Drag and Wheel.
Syracuse Chilled Plow Co., Syracuse,
N. V.

Screen Doors.
A. J. Phillips Co., Fenton, Mich. Sereens, Wire.
Porter Screen Mfg. Co., Burlington,
Vt. Screws, Atlas Bolt & Screw Co., Cleveland,

Screw Cases.
J. D. Warren Mfg. Co., Chicago, Ill. crew Drivers. Bridgeport Mfg. Co., Bridgeport,

Conn.
John H. Graham & Co., New York.
C. E. Jennings & Co., New York.
C. J. Kimball Co., Bennington, N. H.
North Bros. Mfg. Co., Philladelphia.
Sargent & Co., New York.
Stanley Rale & Level Co., New York.
Tower & Lyon, New York.
Volgt, Starr & Co., New York.

Screw Plates.
Alfred Field & Co., New York. Scythes and Grass Hooks. Alfred Field & Co., New York.

Scythe Snaths, Grass and Bush. Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madison, Ia.

Scythe Stones. Cleveland Stone Co., Cleveland, O. Geneva Tool Co., Geneva, O.

Seal Presses. Charles Morrill, New York.

Scals. Schwerdtle Stamp Co., Bridgeport, Conn.

Sectional Shelving.
J. D. Warren Mfg. Co., Chicago.

Sewing Machines.
National Sewing Machine Co.,
Belvidere, Ill. hade Lines. Samson Cordage Works, Boston.

Sharpening Machines.

John Chatillon & Sons, New York.

John Chatillon & Sons, New York.

Shears and Scissors.

Berridge Shear Co., Sturgis, Mich.

Bridgeport Mfg. Co., Bridgeport,
Conn.

Alfred Field & Co., New York.

R. Heinisch's Sons Co., Newark, N.J.

International Cutlery Co., Fremont, O.

Jackson Knife and Shear Co.,
Fremont, O.

Joseph Rodgers & Sons, New York.

Sheet Lead. Colwell Lead Co., New York.

Sheet Metal Stampings.
Standard Stamping Co., Buffalo, N.Y.

Sheet Steel.
Dunbar Bros., Bristol, Conn.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Sargent & Co., New York.

Shelving, Hardware.
J. D. Warren Mfg. Co., Chicago, Ill. Shoe Holders.
Dandy Shiner Co., Springfield, Mass.

Shoe Knives. C. J. Kimball Co., Bennington, N. H.

Shoe Plates.
Mansfield West Co , Cleveland, O. Shot. Colwell Lead Co., New York.

Shot Guns.
J. Stevens Arms & Tool Co., Chicopee
Falls, Mass.

Show Cases.
J. D. Warren Mfg. Co., Chicago, Ill. Sidewalk Chisels. Geneva Tool Co., Geneva, O.

Sidewalk Cleaners. Geneva Tool Co., Geneva, O.

Sidewalk Lights.
J. R. Bolles Iron and Wire Werks,
Detroit, Mich.

Sidewalk Scrapers. Geneva Tool Co., Geneva, O.

Sidewalk Shovels. Geneva Tool Co., Geneva, O. Silver Ware. M. S. Benedict Mfg. Co., E. Syracus,

N. Y.
Luther Boardman & Son, Rast Haddam, Conn.

Sink Bolta.

Atlas Bolt & Screw Co., Cleveland,
Ohlo.

Sink Cleaners.
John W. Sudlow, Brooklyn, N. Y.

Sinks, Cast Iron.
Blacklock Foundry, South Pittsburgh. Tenn.

Skates, Ice and Roller. John H. Graham & Co., New York. Tower & Lyon, New York. Union Hardware Co., Terrington,

Skate Sharpeners.
Tower & Lyon, New York.
Union Hardware Co., Terringtes, Conn.

Skewers.
John Chatillon & Sons, New York.

Slaw Cutters.
E. C. Atkins & Co., Indianapolis, Ind. Enterprise Mfg. Co. of Pa., Phile-delphia. C. E. Jennings & Co., New York.



Siedges.
Columbus Anvil & Forging Co., Columbus, O.
Snow Showels.
Iowa Farming Tool Co., Fort Madison, Iowa.
A. J. Phillips Co., Fenton, Mich.

Solder.

Berger Bros. Co., Philadelphia.

Bruce & Cook, New York.

Colwell Lead Co., New York.

Spading Forks. Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madi-son, Ia.

Spark Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Speaking Tubes.
Berger Bros. Co., Philadelphia.

Speiter.
Bruce & Cook. New York.
Colwell Lead Co., New York.

Spikes. Fuller Bros. & Co., New York. Spiral Screw Drivers.
North Bros. Mfg. Co., Phila., Pa.
Voigt, Starr & Co., New York.

Spoke Shaves.
Alfred Field & Co., New York.
Stanley Rule & Level Co., New York.

Sporting Goods.
Enterprise Mfg. Co., Akron, O.
Edw. K. Tryon, Jr., & Co., Phila-delphia, Pa.

dephia, rs.

Spray Pumps,
Admiral Lamp Co., Marysville, O.
Barnes Mig. Co., Mansfield, O.

Springs, Wire.
John Chatillon & Sons, New York,
Clark & Cowles, Plainville, Conn.
Dunbar Bros., Bristol, Conn.
Tuck Mig. Co., Brockton, Mass.

Spring Balances.
John Chatillon & Sons, New York.

Spring Hinges.

Bommer Bros., Brooklyn, N. Y.

Niles Mfg. Co., Chicago.

Sargent & Co., New York.

Squares, Steel. Sargent & Co., New York.

Stamping. Clark & Cowles, Plainville, Conn.

Stamps, Steel.
Schwerdtle Stamp Co., Bridgeport,

Standorette. D. H. Allen & Co., Miamieburg, O.

Staple Pullers.
Cronk & Carrier Mfg. Co., Elmira,
N. Y.

tay Rollers. Gronk & Carrier Mfg. Co., Elmira,

N. Y.
JohnH. Graham & Co., New York.
Lane Bros. Co., Poughkeepsie, N. Y.
McKinney Mfg. Co., Allegheny, Pa.

Steamfitters' Supplies.
Colwell Lead Co., New York.

Steel.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Steel Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Steel Mats.

Keystone Steel Matting Co., Pitts-burgh, Pa.

Steel Roasters and Bakers.
Royal Polished Steel Roaster Co.,
Troy, O.

teel Roofing.
American Steel Roofing Co., Middle-town, O.

Steel Skips.
Svracuse Chilled Plow Co., Syracuse, Syracu. N. Y.

Steel Track, Janesville Hay Tool Co., Chicago, Ill.

Stencils.
Schwerdtle Stamp Co., Bridgeport,
Conn.

Step Ladders.
American Juvenile Bed Co., Cincinnati, O.
Udell Works, Indianapolis, Ind.

Stocks and Dies.

Armstrong Mfg. Co., Bridgeport,
Conn.

Alfred Field & Co., New York.

Stone Hooks. Geneva Tool Co., Geneva, O.

Stones, Scythe, Oil, Etc. Cleveland Stone Co., Cleveland, Ohio.

Store Fixtures.
J. D. Warren Mfg. Co., Chicago.

Store Trucks. See Trucks, Store.

Store and Warehouse Trucks.
Syracuse Chilled Plow Co., Syracuse,
N. Y.

Stove Pipe Thimbles. City Forge & Iron Works, Dayton, O.

Stove Polish, Joseph Dixon Crucible Co. Jersey City, N. J.

Stove Trimmings.
Fanner Mfg. Co., Cleveland, O.
Troy Nickel Works, Albany, N. Y.
Straightening and Cutting Machine. (Wire.)
F. B. Shuster Co., New Haven, Conn.

Strapping Belts.
Ames Sword Co., Chicopee, Mass

Street Hoes. Geneva Tool Co., Geneva, O.

trops, Razor. Alfred Field & Co., New York.

Sugar Beet Tools. Geneva Tool Co., Geneva, O. Willoughby Fork & Mfg. Co., Willoughby, O.

Sugar Kettles. Blacklock Foundry, South Pittsburgh,

Table Cutlery.
See Cutlery, Table.

Tackle Blocks.
Lane Bros. Co., Poughkeepsie, N. Y.
Tower & Lyon, New York.
Union Hardware Co., Torrington,
Conn.

Tack Pullers.
John H. Graham & Co., New York. Tailors' Shears.
Berridge Shear Co., Sturgis Mich.
R. Hemisch's Sons Co., Newark, N. J.
International Cutlery Co., Fremont, O.

Thistle and Dook Diggers. Geneva Tool Co., Geneva, O.

Tinners' and Boofers' Supplies. Berger Bros. Co., Philadelphia. Bruce & Cook. New York.

Tin Pipe. Colwell Lead Co., New York. Tin Plate. Bruce & Cook, New York.

Tire Bolts.
Atlas Bolt & Screw Co., Cleveland,
Ohio.

Tool Chests.
R. Bliss Mfg. Co., Pawtucket, R. I. C. E. Jennings & Co., New York. Geneva Tool Co., Geneva, O.

Tools.
Armstrong Mfg. Co., Bridgeport,
Conn. Conn.
E.C. Atkins & Co., Indianapolis, Ind.
Alfred Field & Co., New York.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison. Iowa. son, Iowa. C. E. Jennings & Co., New York. Fayette R. Plumb, Inc., Philadelphia,

Stanley Rule & Level Co., New York.

J. Stevens Arms & Tool Co., Chicopee Falls, Mass. Voigt, Starr & Co., New York.

Transom Chains. Smith & Egge Mfg. Co., Bridgeport,

Traps, Rat and Mouse. Smith & Egge Mfg. Co., Bridgeport,

Trowels.

E. C. Atkins & Co., Indianapolis, Ind. Henry Disston & Sons, Philadelphia. Alfred Field & Co., New York.

C. B. Jennings & Co., New York.

Trucks, Store.
John Chatilion & Sons, New York.
John H. Graham & Co., New York.

Tubes, Seamless Drawn.

American Tube & Stamping Co.,
Bridgeport, Conn.

Tubing.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn

Turnbuckles.
Columbus Bolt Works, Columbus, O.
Merrill Bros., Brooklyn, N. Y.

Twine. Samson Cordage Works, Boston.

Twist Drills. C. E. Jennings & Co., New York.

Valves, Pump.
Berger Bros. Co., Philadelphia.
F. E. Myers & Bro., Ashland, Ohio.

Varnishes. Berry Bros., Ltd., Detroit, Mich. Glidden Varnish Co., Cleveland, Uhio.

Vasce, Flower, Gilbert & Bennett Mfg. Co., New York and Chicago.

York and Chicago.

Ventilators.
Berger Bros. Co., Philadelphia.
Bruce & Cook, New York.
G. Drouve Co., Bridgeport, Conn.
Iwan Bros., Streator, Ill.
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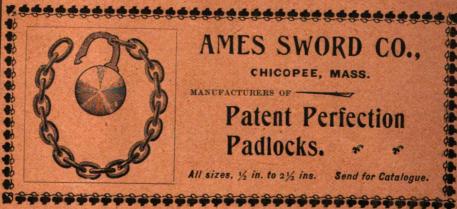
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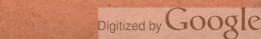
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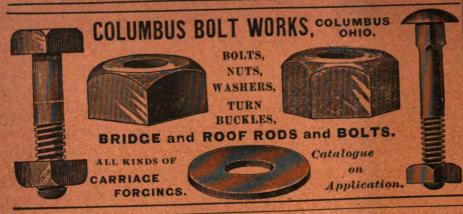
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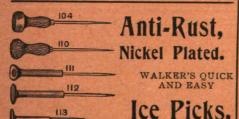
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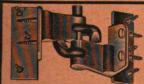


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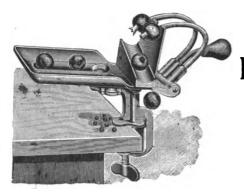
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THEY are equipped with side rails which extend 2½ to 3 feet above the top step, which makes it easy to ascend or descend, serving as a protection from falling, at the same time giving 3 feet more working space than ordinary ladders. Made from the best yellow pine lumber and put together with bolts and screws, thus insuring the strongest and best made ladder on the market.

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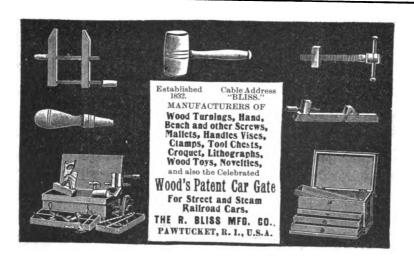
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Dixon's Silica Graphite Paint.

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These goods have made money for other dealers, why not for you? Let us send you our Catalogue.

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Frame is made of well seasoned hard wood. Three cross bars mortised into handles. Frame painted red, and sides olive. Handsomely striped and varnished.

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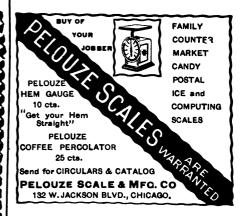
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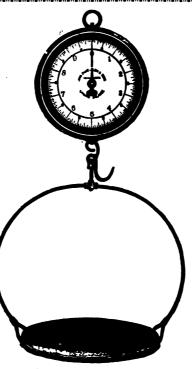
- 730 MARKET STREET, PHILADELPHIA. 67 BEEKMAN STREET, NEW YORK. 143 MILK STREET, BOSTON. 182 LAKE STREET, CHICAGO.

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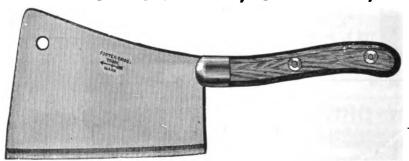


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Finest quality American Pocket Cutlery in large variety. Knives that are good sellers, and will give satisfaction to the user.

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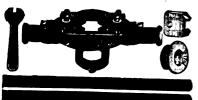
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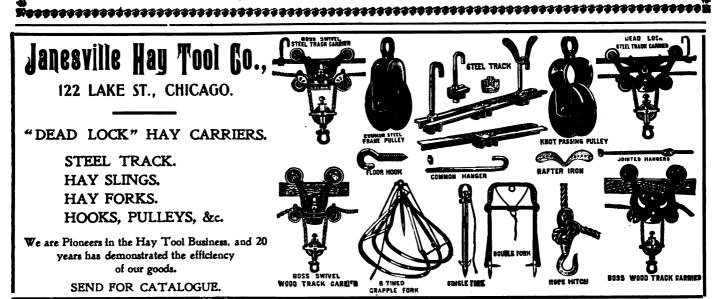
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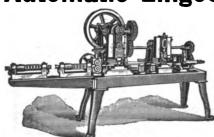
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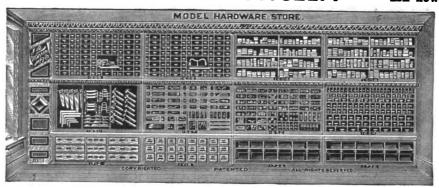
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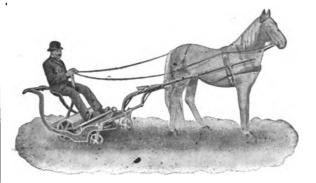
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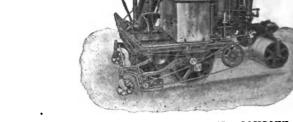
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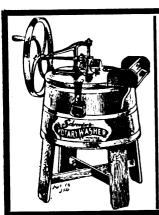
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It adjusts itself to the size of the wash. It has a removable bottom, making it easy

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It will wash lace curtains and needlework without tearing, and better than you can do it on a washboard.

It is simple in construction, and has no com-plicated machinery to get out of order.

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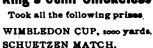
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Bench Stops, Punches, Cutting Pliers and Seal Presses.



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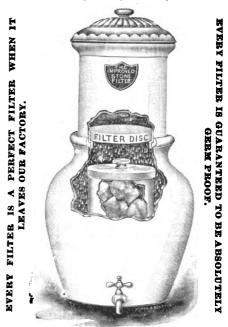
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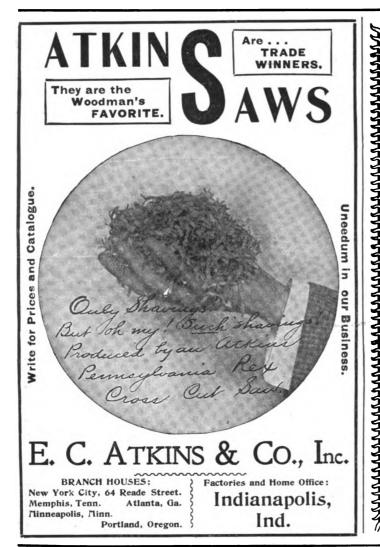
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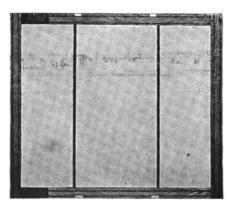
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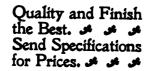


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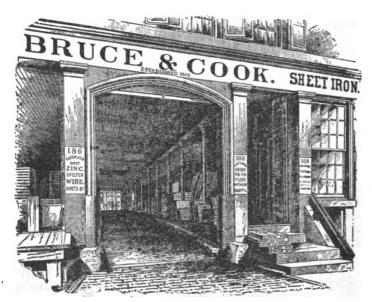
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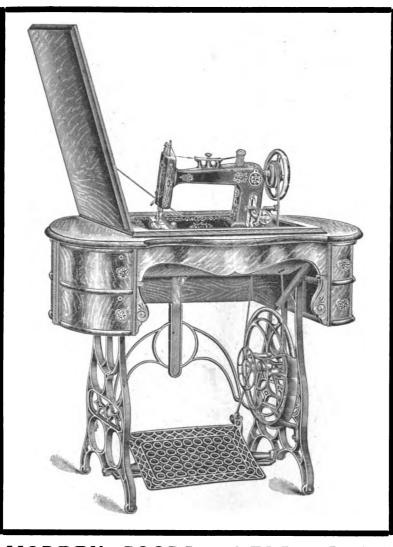


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# HARDWARE

The tenth annual meeting of the Hardware Club of New York will be held at the club rooms on Saturday, March 15, at 12:30 p.m. At a recent meeting of the board of governors, the following named gentlemen were selected as a committee to nominate five gentlemen to serve as governors of the club for the three succeeding years: John Day, of H. L. Judd Co., chairman; Christian T. Stork, of the Columbian Hardware Co.; George F. Wiepert, of Sargent & Co.; Edward Townsend, of the Importers' & Traders' National Bank, and William S. Pitcairn. The members of the board whose terms of office expire with the annual meeting of March 15th, are as follows: George H. Sargent, Arthur G. Sherman, Robert Sickels, Robert H. Swayze and Edward C. Van Glahn. The committee have decided to rename these gentlemen as their successors.

The following named gentlemen were unanimously elected to membership in the Hardware Club of New York at the February meeting of its board of governors:

R. W. Jones, Jr., Broadway and John Street, New York. Burton W. Thompson, 105 Chambers Street, New York. Robert G. Newberger, 66 Reade Street, New York. T. B. Laska, Holmes & Edwards Co., Bridgeport, Conn. Charles B. Holderidge, Franklin, Pa.

Alfred W. Barnett, G. & H. Barnett Co., Philadelphia, Pa.

Henry W. Scattergood, G. & H. Barnett Co., Philadelphia, Pa.

R. A. Chapman, Baltimore, Md.

T. N. McCauley, Chicopee, Mass.

The membership now stands as follows: Resident, 600; non-resident, 148; on waiting list, 28.

Mortimer C. Ogden, who has for the past eleven years been the president of the Southington Cutlery Co., of Southington, Conn., resigned that position on account of ill health, February 27th. A meeting of the directors will be held on March 12th for the purpose of electing his successor. The Southington Cutlery Co. was organized in 1868, with a capital stock of \$50,000, which in 1883 was increased to \$300,000. A majority of the stock is owned in Southington. Charles D. Barnes, president of the Southington National Bank, is acting as treasurer of the company, which office Mr. Ogden also resigned.

At the annual meeting of the Albany Hardware and Iron Co., held Monday, March 3d, 1902, the directors and officers of the previous year were re-elected, viz.: Chas. H. Turner, president; Jas. K. Dunscomb, treasurer; Wm. B. Wackerhagen, secretary, the remaining directors being George I. Amsdell, Peter Kinnear and Seth Wheeler.

Frederick Pfeiffer, 88 Chambers Street, New York, who has for so long a time represented the Payson Mfg. Co., of Chicago, as their exclusive Eastern agent, reports having on hand at present a most complete stock of their numerous specialties, such as Casters, Transom Lifters, Signal Sash Locks, etc. Prompt deliveries may be anticipated on orders. The trade on the territory covered by him, which is everything east of Buffalo and Pittsburgh, has never so generously entered specifications for future and immediate delivery as during the past two months. "Fred" is a hard worker, and his never-failing diligence deserves the success he has achieved.

The Clipper Lawn Mower Co., incorporated, Norristown, Pa., have let the contract for the erection of their new plant at Main and Franklin Streets, in that city. The main building will be of brick, 150x40 feet and two stories in height. When completed this will enable them to largely increase the capacity of their present plant. The matter of an installation of an equipment of machinery for the new factory will be entertained at an early date.

Peters Cartridge Co., Cincinnati, Ohio, Eastern department, 80 Chambers Street, New York, T. H. Keller, manager, announce that they are again represented at the Sportsmen's Expositions at Madison Square Garden, New York, March 5-19, and at Boston, February 22 to March 15. They state that they will endeavor to provide suitable and comfortable headquarters for their friends at each of these popular expositions.

The season for spraying pumps is at hand, and the Barnes Mfg. Co., Mansfield, Ohio, on another page of this issue call attention to their new "Perfection" spraying pump, which can with ease be taken entirely apart to clean or repair. A 200-page catalogue of their productions may be had for the asking.

The Meriden Cutlery Co., Meriden, Conn., and for the past twelve years located at 80 Chambers Street, New York, on March first moved their New York depot to 88 Chambers Street, four doors above their old address. This popular cutlery house, which was established in 1832, manufacture almost everything in the way of superior high-grade cutlery for household use. Their line of Butches' and Cooks' Knives has long been known as of reputable excellence. The New York business is managed by Matthew Gildersleeve.

Sargent & Co., New Haven, Conn., and 149 to 153 Leonard Street, New York, among the special advertising features connected with the Gem Food Chopper, are mailing to the trade a number of mailing cards of large dimensions, forming a set of twenty different styles, and in several colors, calling attention to the selling merits of the Chopper. One side of the card has printed on it a recipe from their Gem Chopper Cook Book, recently issued, to which is added an illustration taken from the same series.

The annual meeting of the National Retail Hardware Association will be held on March 19-20, at Chicago. During the past year quite a number of State organizations have affiliated with the National Association, and several others have expressed an intention of doing so. W. P. Lewis, New Albany, Ind., is president, and M. L. Corey, Argos, Ind., is secretary.

#### New England Hardware Dealers' Association.

The Spring meeting of the New England Hardware Dealers' Association will be held at the Quincy House, Boston, on Wednesday, March 12. Dinner will be served at 5.30 P. M., after which a business meeting will be held. The Hon. Willard Howland, of Chelsea, will be the guest of the evening, and will give an address on "The Duty of the Business Men to the State." The entertainment committee is composed of E. Loring Richards and George J. Mulhall.

## HARDWARE

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NO. 1

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.

HARDWARE is published on the 10th and 25th of each month. The subscription is \$1.00 a year, payable in advance.

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## HARDWARE PUBLISHING CO., 275 Broadway, New York.

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President.

A. P. MITCHELL,

Secretary and Treasurer.

HENRY HOPKINS,

Editor.

A. E. BOLLES,

Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper m the United States Devoted Exclusively to the Hardware Trade.

#### Editorial Trade Review.

If any documentary evidence were needed, it could readily be furnished, showing the strength and persistence of the movement among retail Hardware dealers for organization to maintain their rights as legitimate dealers against unrighteous competition. The reports of the numerous State Associations of retail dealers who have held conventions fill many pages of the Hardware trade journals during the month past, and represent in a dignified and intelligent manner the kind of men who are the leading spirits in the Hardware interests of the day.

This movement for organization among dealers of any particular industry is one characteristically American. In no other country on the face of the globe is such frankness shown in regard to methods that enable commercial success to be achieved; in no other community is it possible for criticism of all grades of ability to be so consistently listened to, so willingly received and profited by, so freely accepted by those desiring reform in old-fashioned methods, as in these bodies of harmonious workers. Honesty and integrity underlie every step in the progress achieved under such conditions. No wonder our wholesale merchants and our intelligent, far-seeing manufacturers so promptly endorse a movement that means so much when commercial advancement, morally and financially, is the object each individual is desirous of obtaining. This consistent backing by those who form the credit department of our trade circles, of itself gives to a movement of such importance its highest justification.

Never has the evidence been so manifest as now of the growing sentiment in favor of the consolidation of such business interests for the general good. Larger accessions of numbers have taken place during the year. Greater interest has been taken in the proceedings; abler papers prepared and read to attentive students of business progression; a community of interests thoroughly established, so noticeable in the mutual insurance feature, so prominently canvassed and acted upon, and the closer harmony obtainable through the fostering of the National Retail Hardware Dealers' Association, through whose more vigorous labors much responsibility is lifted from the officers of the State Associations, and a greater degree of respect is paid by manufacturers and jobbers to just demands so persistently urged and conscientiously insisted upon.

The natural channels through which the transactions should flow of such an important industry as ours, indicate the dependence of the manufacturers upon the jobbing fraternity for distribution in certain sections, and the care and attention given by the jobbers to the retailers, who create the demand, stimulate the wants and are the final distributers of the products which create the wealth, the attainment of which is the natural desire of all who follow a business for a livelihood.

One of the most commendable features in this extensive movement for trade consolidation of mutual interests is the encouragement given to it by the National Hardware Association, whose energetic representative, Secretary-Treasurer Fernley, was present at each convention possible to reach, to explain the importance of the association principle and show how thoroughly their efforts for the accomplishment of good results is appreciated and endorsed by the National Association, which rarely hesitates very long in removing causes for friction that may arise that would in any way impede the natural relations of those two great divisions of Hardware distribution.

But few changes in prices that assume any special importance have interfered with trade transactions. The principal worry seems to be in regard to any commendable promptness in the delivery of goods already ordered under specifications as to future dates. The difficulties that have beset all forms of transportation during the past fortnight in consequence of storms and accompanying high water, have in many cases been formidable, and not only deliveries of the finished products have been delayed, but also the supply of raw material, without which no factory can show its usual production or predicate the possibilities of the immediate future. This naturally increases anxieties already too prominent.

The consolidation movement seems to be in the air. When old companies like Russell & Erwin Mfg. Co. and P. & F. Corbin, after so long a period of individual prominence, deem it advisable to create more favorable conditions by consolidation, it creates or rather adds to the general belief that the end is not yet. The trade have reason to believe the present year so auspiciously begun in this regard, may have to note a number of trade changes among the manufacturers of leading lines of Hardware with a view to lessening competition, which possibly may not prove to be the result.

#### Death of A. F. Shapleigh.

On Thursday evening, February 27th, A. F. Shapleigh, one of the pioneers of the Hardware trade in St. Louis, passed peacefully away at his residence in that city, at the advanced age of ninety-two years. He had been in failing health for several years past, but retained the full possession of his faculties to the last. He was one of the pioneers in the commercial growth of St. Louis, and a potent factor in every phase of its prosperity during all the earlier years of his life.

Augustus Frederick Shapleigh was born at Portsmouth, N. H., January 9th, 1810. Mr. Shapleigh began his business career by accepting a position in a Hardware store at a salary of \$50 a year. At the end of the first year he embarked as a sailor, making several voyages to Europe and spending three years upon the sea. His mother and sisters finally induced him to re-enter the Hardware business in his native city, where he had served his first year of business life. After some years at home he accepted a position with the Hardware firm of Rogers Bros. & Co., at Philadelphia, with whom he remained until 1843, having become a junior member. The house at that time determined upon a branch in St. Louis and Mr. Shapleigh was assigned to its management. It opened there that year under the name of Rogers, Shapleigh & Co., which upon the death of Mr. Rogers became Shapleigh, Day & Co., so continuing until 1880, when it was merged into a corporation known as the A. F. Shapleigh-Cantwell Hardware Co. In 1888 it again changed to the A. F. Shapleigh Hardware Co, with Mr. Shapleigh as its president and his sons, Frank, vice-president; Richard W., second vice-president, and Alfred Lee, secretary-treasurer. The company was burned out in 1886, but rebuilt and enlarged until it was one of the most extensive wholesale establishments of its kind in the West. The firm is now known as the Norvell-Shapleigh Hardware

The deceased retired from active interest in it last May, after continuous service since 1843. Mr. Shapleigh was identified with many prominent institutions in St. Louis at different times. He was trustee and director of the State National Bank of St. Louis, formerly known as the State Savings Institution, and for twenty-eight years was a director of the Merchants-Laclede National Bank, resigning that position in 1890 to his son, Alfred. He was for a long time president of the Phœnix Fire Insurance Co. and was vicepresident of the Covenant Mutual Life Insurance Co. He was interested in valuable mining properties and other industries, and, on retiring last July from active management, retained his stock in the institutions. He is survived by four sons and one daughter—A. F. Shapleigh, Jr., Dr. J. B. Shapleigh, dean of the department of medicine of Washington University; Richard W. Shapleigh, vice-president of the Norvell-Shapleigh Hardware Co.; Alfred L. Shapleigh, treasurer of the same company, and Mrs. J. Williams Boyd. Frank, another son, died one year ago.

The deceased is also survived by several grand and greatgrandchildren.

#### Death of Henry K. Sheldon.

Henry K. Sheldon, who was well known in his day as the head of the leading Hardware firm of Sheldon, Hoyt & Co., of New York, died at his home in Brooklyn on March 2d from a complication of diseases, after an illness of nearly a year. He was born in Windsor, Conn., seventy-six years ago, and came to Brooklyn when five years old. After studying some time abroad, he went into business with his father, James Sheldon, who was the senior member of the firm of Sheldon & Phelps, one of the largest wholesale Hardware concerns in the country at that time, and located on Chambers Street, being one of the Hardware pioneers on that well

known Hardware street. Upon the death of his father, Mr. Sheldon entered the firm, becoming at that time the senior member of the firm of Sheldon, Hoyt & Co. He retired from business about thirty years ago, and has since been devoting himself to his financial interests and to music and art, of which he was a patron. His collection of paintings is considered to be one of the finest in Brooklyn. Mr. Sheldon was for a number of years president of the Brooklyn Academy of Music, and also president and one of the first members of the Brooklyn Philharmonic Society. He was a member of the First Presbyterian Church of Brooklyn, the Rembrandt Club, of Manhattan; president of the board of directors of the Brooklyn Academy of Music, the American District Telegraph Co., the Fidelity and Casualty Co., the Brooklyn Savings Bank, American Exchange Bank, Brooklyn Trust Co. and the Long Island Savings and Trust Co. He was also trustee of the Brooklyn Art Association and of the Brooklyn Institute of Arts and Sciences. He was himself an expert musician, and had studied abroad. It was he who introduced Theodore Thomas to the musical world. He leaves a widow and one child, Anna Embury Sheldon, wife of the Rev. James Townsend Russell, rector of St. Thomas Church, Brooklyn, and two brothers, James O. Sheldon, of East Fortieth Street, and Lucius M. Sheldon, of Montague Street, Brooklyn.

#### The Sportsmen's Show.

Madison Square Garden has been undergoing the process of transportation that annually changes the ampitheatre into a great composite camp for sportsmen, the occasion being the eighth annual show of the National Sportsmen's Association which opened on Wednesday of last week.

A small army of workmen have been employed under the direction of Manager Dressel, in creating the great wooded island in the centre of the arena, and in producing the mountain and forest effects at the Fourth Avenue end of the building, typical of a section of the Adirondacks. The bed of the mountain stream, fed by cascades and waterfalls from these mountains and extending around the Island, is now completed and gives some idea of the charming pictures that have been produced. Hundreds upon hundreds of pine, spruce and hemlock trees have been delivered at the building and put into place, hiding the iron girders and columns as well as the seats and box fronts of the amphitheatre. Game parks, aviaries and aquariums are laid out and placed in position, while camp supplies, boats, canoes and sportsmen's equipment galore, constituting the exhibits, have come in by The last of the exhibits have been completed truckloads. and the Sportsmen's Show of 1902 has entered upon its career of two weeks duration.

Among the interesting features of the show this year is the display of boats, which is the most extensive in the history of the show. Power launches of from 16 to 25 feet in length, and some of which are most elaborately equipped; motors for marine and automobile purposes; canoes, ducking boats, sneak boats and row boats will be shown in great numbers and variety.

The camps of the Indians, the Adirondack and Maine guides, the Long Island baymen, Camp Rainbow, and other organizations, their occupants in the garb of woodsmen, hunter or native American will add to the picturesque effect of the scene. The game parks with their specimens of bison, moose, deer, caribou and antelope; the bear cages, the fox yards and the temporary domiciles of other fur-bearing animals, are even larger and better filled this year than last. The magnificent display of mounted birds, birds' nests and eggs, belonging to Mr. John Lewis Childs, of Floral Park, L. I., occupy more than one thousand square feet of floor space, on the northern side of the arena, and form one of the most interesting features in the show.

From the wilds of Canada will come Joe Labrea and his assistant, Ferdina Voyer, two typical representatives of the Canadian trapper. Joe is a descendant of a long line of his craft, his father and his grandfather before him having followed the business all their lives. Joe has but one arm, the missing member having been chewed off near the shoulder by a big bear that had become fastened in one of the hunter's traps. He brings with him all the devices known to his craft in the work of trapping, together with the two dogs "Chasseur" and "Gaspe" used in hauling his furs from trap to trap and finally into the settlement.

A Canadian trapper's route is from 40 to 50 miles in length. Joe's route is 46 miles long, and it requires about two weeks time to go over it. A trapper's route, under the laws of Canada, is handed down from father to son as "property." The route is marked out, and its ownership indicated by marks upon the trees. The trapper is subject only to the laws governing such pursuits and not to the mandates of the land owners over whose estate his route may lead. Even a change of ownership of lands does not affect the rights of a trapper on his route. Intruders upon an established route, or meddlers with his traps are severely dealt with by law, as a rule, and sometimes by the offended trapper.

Joe will daily give illustrations of the trapper's life, with his logs, sleds, snow shoes and traps.

The members of the Camp Rainbow Club, composed of lads from twenty or more of the best known private schools for boys in and about Greater New York, have pitched their camp on the banks of the stream near the Fourth Avenue end of the Garden, and attired as guides, will from time to time, conduct parties of visitors over a deer trail that leads over the mountains.

#### HARDWARE PATENTS.

The following list of Patents, Trade Marks and Designs of interests to the Hardware trade are furnished by Davis & Davis, Solicitors of American and Foreign Patents, Washington, D. C., and St. Paul Building, New York City.

PATENTS EXPIRED FEB. 17, 1902.

312,251. SASH FASTENER, F. M. Case, Denver, Colo.

312,292. Convertible Shears for Cutting and Marking, I. Pribyl, Chicago, Ill.

Door Hanger, E. T. Prindle, Aurora, Ill. 312,294.

312,316. LIFTING JACK, J. Barrett, Allegheny, Pa.

Door or Window Screen, O. G. Newton, Tren-312.374, ton, Mo.

312,583. WEIGHING SCALE, C. Richtmann, Newark, N. J. PATENTS ISSUED FEB. 18, 1902.

WASHBOARD, M. E. Bingaman, New York, N. Y. 693,364.

693,421. TRAVELING LAWN SPRINKLER, A. Munch, St. Paul, Minn.

693,463. Ax Helve Grip, C. W. Todd, Orwell, Vt.

693,518. GLAZIER'S TOOL, G. W. Hamilton, Chicago, Ill.

693,546. HINGE, C. M. Johnson, Milwaukee, Wis.

DOOR HOLDER, A. J. Rosentreter, Boonton, N. J. COMBINED DOOR CHECK AND CLOSER, E. Cliff, 693,588.

Newark, N. J.

PATENTS EXPIRED FEB. 24, 1902. ..

RAZOR STRAP, B. F. Badger, Charlestown, Mass. 312,603. WINDOW SCREEN, M. L. Whitcomb, Muskegon, 312,685. Mich.

312,746. WAGON JACK, A. Mote and J. B. Brewster, Oskaloosa, Iowa.

312,805. SAFETY GAS BURNER, G. W. Browne, Brooklyn, N. Y.

312,949. COMBINED SCREEN & STORM DOOR, F. F. Barber, DeKalb, Ill.

PATENTS ISSUED FEB. 25, 1902.

693,861. WRENCH, J. H. Hobson, Mattoon, Ill.

693,875. CASTER SOCKET, W. Livingston, Flushing, N. Y.

693,893. Step Ladder & Shelf Combined, C. E. Page, Linwood, New Zealand.

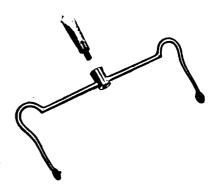
693,993. WINDOW SCREEN, S. W. Benson, Denver, Colo. 694,273. Spring Hinge, A. S. Held, Freeport, Ill.

#### Bissell's New Handle Fastening Device.

The Bissell Carpet Sweeper Co., who constantly aim to increase the demand for their sweepers through valuable patented improvements that they are making from time to time, feel certain that the trade and consumer alike will welcome



their new feature that they are just introducing in connection with their "Cyco" bearing sweepers. It is a handle fastener which does away with the old threaded wood handle substituting in its place a malleable iron screw that makes the handle present greater utility. While they have always aimed to produce improved bail sockets and handle threads, yet, there is no disguising the fact that on account of the users of carpet sweepers either failing to screw the wood handle in firmly or otherwise falling in the error of removing the handle too frequently, the thread on the handle would wear out, rendering it useless and causing a great deal of annoyance to the user. Many attempts have been made in the past to produce a satisfactory handle fastener, but not until now has anything been perfected fully meeting all require-The Bissell Carpet Sweeper Co.'s new handle fastener consists of a small iron screw with upper end enlarged where it enters the wood handle so that it cannot possibly fall out, this screwing into the iron bail, there to remain firmly for all time. This is one of the most expensive handle fasteners ever produced, and also the best Each bail socket must be milled out to insure abof solute uniformity of size, the lower end the socket must be threaded, and the attaching



milled and then threaded. This is one of the most valuable improvements on carpet sweeper handles that has been made in some years, and the Bissell Co. announce to the trade that within the next few months all their "Cyco" bearing sweepers will be furnished with their new handle fastener. It is worthy of note that this handle fastener is so constructed that no matter how the wood handle may shrink, the malleable iron attaching screw cannot fall out. In this device the more tightly it is screwed into the bail socket. the more firmly is the attaching screw refained in the wood handle. The attaching screw is made of malleable iron so as to positively insure it against breaking.

The Times, London, was first printed on Koenig's machines, November 28, 1814.



#### New England Iron and Hardware Ass'n.

The ninth annual dinner of the New England Iron and Hardware Association, at the Hotel Vendome, Boston, on February 25, was a very interesting occasion, attendance being about 130. During the serving of the dinner an orchestra played and the company sang popular songs. The president, Allan J. Chase, gave a special welcome to the four "fathers of the Hardware trade" present, Messrs. G. C. Carpenter, of Providence; James N. Frye, J. B. Sargent and D. Arthur Brown. In concluding, he introduced as toastmaster Charles Clark Adams, who was given an ovation, the company rising and cheering and finally joining in the chorus: "For he's a jolly good fellow."

Mr. Adams, after acknowledging the welcome, said: "I've heard it said that there are a good many Adamses lying under the sod, but I want to say that here is one who lies above the ground—he sometimes has to in the trade." After reading a letter of regret from Governor Crane, Mr. Adams introduced Frank Dickerson, of New York, the head of the American Tin Plate Co.

Mr. Dickerson, in speaking upon "Consolidations and Their Bearing Upon the Mercantile Interests of the Twentieth Century," said, in part: Industrial consolidations, I believe, will grow and increase in number during the twentieth century. Such consolidations are beneficial because they produce specialists and broad-minded and able men. Consolidations succeed in the same way the individual succeeded, but, while men are broader to-day, the mental vision of man has not reached its zenith. We can see farther than our grandfathers could, but the twentieth century will see men capable of dealing with fourteen or fifteen figures as readily as our grandfathers dealt with seven figures. Commercial success means efficiency, and consolidations are producing efficient men. In some States consolidations are moulded and framed by laws, many of which are stupid and some of which are beyond the comprehension of laymen. Laws have tried to poke out the eyes of consolidation, but have failed to do so. Yet there is one law, public opinion, which is right when it demands publicity about corporations.

The present era of good times has been helped by the stability of prices brought about by consolidation, and, when bad times come, the same cause will be a help. Consolidation, too, stifles competition, and thereby largely prohibits speculation. Large consumers are endeavoring to deal directly with the consolidations, but this will not grow much.

Speaker James J. Myers, of the Massachusetts House of Representatives, followed Mr. Dickerson with an address on "The Attitude of Massachusetts Toward Consolidation." As a general proposition, he said, it may be accepted as true that where competition ends some kind of supervision by outside authority must begin. This rule has been applied to all public service corporation in Massachusetts.

In considering industrial corporations, Mr. Myers continued, there are to be considered: first, what would be the wise theory if all the States applied it, and, second, what is the practical thing for Massachusetts to do under existing conditions. Industrial corporations are good if they are not over-capitalized. But the moment the stock is watered there is a tendency to collect a dividend upon the water. It is true that in the case of some corporations there are values which cannot be exactly appraised. I don't contend that we must capitalize only upon visible property, but that there should be some wise, judicious authority which should settle the amount of capitalization to be allowed in each case. I hope that Massachusetts won't stand for a narrow policy, based on merely tangible values, but I also hope that the day is far distant when she will allow a vacuum to be capitalized under her laws. More Massachusetts corporations are now organized out of the State than are organized in it, but

it is better that they should go outside than that we should have such a lack of restrictions as exists in Maine.

The next speaker was the Rev. Dr. George L. Perin, pastor of the Every-Day Church, on "The Task and the Man."

The last speaker was H. B. Lupton, of the Oliver Iron and Steel Co., of Pittsburgh. Speaking of the tremendous activity which exists in that city, he said there is a scarcity of iron, and the railroads cannot furnish cars enough. The railroads themselves, he explained, were the chief consumers of iron. Over 11,000,000 tons of steel were used in making cars alone. Immense quantities of metal are also used by steamship companies and in big buildings.

#### Northern Refrigerator Co.

Among the desirable lines of refrigerators that are being placed on the market this season, mention may be especially made of those marketed under the name of the "Glacier," manufactured by the Northern Refrigerator Co., Grand Rapids, Mich. They manufacture a popular line of Mineral Wool Insulated Refrigerators that they claim after a thorough investigation forms the best insulation obtainable for the purpose, mineral wool being a vitreous substance having the appearance of wool, but made from the slag of blast furnaces or other similar material, which is accomplished by throwing a jet of steam against a small stream of the liquid glass. In this manner it is so expanded that a given space contains 92 per cent. of air, and only 8 per cent. of the original substance. This air being confined and held in position, cannot carry heat, and consequently makes the best known insulating material. Another good feature in regard to it is that it is indestructible and will not mold nor smell. The sheathing used in this line of refrigerators is also referred to by the manufacturers as being superior, consisting of the Bird Patent Water Proof Odorless Sheathing. It is called charcoal by some manufacturers, and in some cheap grades is really the only material used for insulation, a single layer being considered sufficient. By reference to a cut shown in the catalogue of the Glacier Refrigerators, it is seen that eight walls for insulation are provided, from the outside wood to the extreme inside zinc, and including air space, three rows of sheathing, mineral wool and the wood. They make a full and complete line of Refrigerators under this name, and make a particular point by giving in connection with an agency for the sale of this line of refrigerators ample stationery for distribution to fully canvass the territory, and in the shape of small catalogues showing a complete line, and also booklets on "operating the refrigerator," very thorough and complete, and making very attractive reading matter.

#### Canada Corundum.

The best advertisement is a satisfied customer. Testimonials like the following received by the Canada Corundum Co., of Toronto, Canada, would surely seem to emphasize this fact.

MONARCH EMERY & CORUNDUM WHEEL Co. Grinding Machinery. Emery & Corundum Wheels. Campen, N. J., Jan. 23, 1902.

The Canada Corundum Co., Toronto, Canada: Gentlemen: We enclose you an order for a car load of

your Craig Mine Crystal Corundum and trust that you will see that it reaches us without delay.

Now that we are accustomed to using it, we frankly admit all that you claim for it. It is our opinion that wheels made from it with our new bond cut faster, cleaner and colder than wheels made of any other abrasive. Reports from our customers show them to have formed the same high We propose adopting it almost exclusively opinion of it. and shall want it understood that you will continue to sup-Yours truly, ply us.

MONARCH EMERY & CORUNDUM WHEEL Co., I. R. Davis, Pres.

#### Peters Cartridge Co.'s Exhibit in Boston.

The space occupied by The Peters Cartridge Co., of Cincinnati, Ohio, at the Boston Sportsmen's Show is very attractively arranged. It is draped with maroon cloth, and the most conspicuous object there shown is a magnificent painting, consisting of an officer's felt hat hung over a belt containing cartridges, to which is attached a holster containing a Colt army revolver. Beneath the holster is the wonderful world's record target made by Capt. C. S. Richmond, of Savannah, Ga., which is made up of 100 shots counting 918 points. This target was shot at a range of 50 yards, and the location of each shot shown. Beneath the target on a table is an open box of Peters Cartridges, while scattered about are cartridges and exploded shells. The whole is reproduced in colors, and is marvelous in its effect. So realistic is the painting it seems as though one could pick the revolver from its holster. This target was made with Peters Cartridges, and as a souvenir of the event the company had this painting made. It is 36x18, mounted on a green mat and framed in a beautiful gold frame surrounded by electric lights. A miniature reproduction of the picture in colors is presented to visitors, and is beautiful enough to be highly prized.

On each side of this painting are two fac-simile record targets made with Peters Cartridges. One is the full size target of Capt. Richmond; the other represents a 50 shot pistol record of the United States made by Thomas Anderton at Walnut Hill December 7th, 1901, which scores 476. Both targets are the Standard American targets, and were shot at a range of 50 yards, one with Peters 44 calibre factory loaded cartridges in a revolver; the other with Peters 22 calibre cartridges in a pistol.

The exhibit is in charge of T. H. Keller, the Eastern representative of the company, assisted by T. H. Keller, Jr., and several other gentlemen.

#### A New Cream Separator.

The Galesburg Cornice Works, Galesburg, Ill., are manufacturing for the trade a cream separator that separates cream from milk by the water process, which is now well known as a simple and effective process.

The goods are made in three sizes, 10, 15, and 20 gallon, from the best IXXX bright charcoal tin plate, and they



are nicely painted a red enamel, and decorated in gilt lettering, etc., wrapped in paper and carefully boxed, so that they are sure to reach the dealer in the best possible condition. There is a good demand for these separators, and dealers who are not selling them are losing opportunities for profitable business. A card addressed to the manufacturers will bring descriptive matter and quotations.

#### National Retail Hardware Dealers' Association.

The third annual meeting of the National Retail Hardware Dealers' Association will convene March 19-20, at the Palmer House, Chicago. There will be no open sessions. Two delegates from each of the following States, together with some of the State officers, constitute the members of this convention: North Dakota, Iowa, Missouri, Arkansas, Illinois, Wisconsin,

Indiana, Kentucky, Michigan, Ohio, Pennsylvania, Kansas, Minnesota. Reduced rates can be obtained by most of the delegates on the certificate plan through the National Association of Merchants and Travelers.

#### A Neat Souvenir Design.

J. D. Warren, of the J. D. Warren Mfg. Co., Chicago, while attending the convention of the Minnesota Retail Hardware Dealers' Association at St. Paul, distributed the up-to-date souvenir indicated in the following:



This excellent portrait of our royal guest, Prince Henry, has for its background the Masonic Temple, 354 feet high, a type of American architectural daring, which is in keeping with the advanced thought of wideawake Hardware men, demonstrated in the display rooms on the fifth floor of this building, as shown by the J. D. Warren Mfg. Co., Chicago.

#### Not in the Combination.

We have received the following communication:

Cincinnati, Ohio, Feb. 19, 1902.

MR. EDITOR: Our attention has been called to an article published in the February number of the St. Louis Sporting Goods Dealer, page 20, which states an impression seems to prevail that the Peters Cartridge Co. "are now in the agreement" with the Eastern Loading Companies. We wish to state that there is no truth whatever in this report, as we are not now, nor have we ever been members of any trust, combination or association. Neither does any combination, or member thereof own or control a dollar's worth of this company's stock. We are independent now, as we always have been and expect to remain.

(Signed.)

O. E. Peters, Pres't, The Peters Cartridge Co.

"A stranger came into the store this morning and bought every egg I had in the place," said the proprietor of the only grocery in the little Jersey village. "Do you suppose he was crazy?"

"Cracy? Well, I guess not," said the man at the mackerel keg. "He's advance agent for the man who is to lecture in the town hall to-night, and he isn't taking any chances.—
Yonkers Statesman.

Hayseed—Where is the durn gaslight in my room?

Hotel Clerk—You will find the electric light near the window.

Hayseed—Do you mean that old fish hook in a glass case? I turned the crank and the fish hook got red hot. Then I shut her off for fear it might bust.—Harper's Bazar.



## KY. RETAIL HDWE. & STOVE DL'RS ASSN.

The second annual meeting of the Kentucky Retail Hardware and Stove Dealers' Association was held in Louisville on February 25th and 26th, the place of meeting being the Liederkranz Hall. Tuesday morning was devoted to the enrollment of new members, payment of dues, and the cultivation of the general elements of sociability, many of the jobbers of Louisville being on hand to do their share toward entertaining the delegates present. The convention was called to order by President George P. Dehler, Jr., who delivered his annual address, from which we make several quotations:

PRESIDENT'S ADDRESS.

\* \* \* \* \*

Let us get together as one man and do something, and continue doing something until we have accomplished our purpose or know the reason why. If one resolution fails to bring about the desired result resolve again, and keep on resolving until we have found the correct resolution.

One drop of water continually dropping on one particular spot will eventually make a deep impression upon the hardest object. Granted that some of our manufacturers are hard objects to tackle, yet persistent drops of complaints, grievances and kicks will finally pierce them.

We have already made an impression. The eye of the manufacturer, the jobber, the catalogue house, the department store is constantly directed toward us, watching and waiting results.

#### JOBBERS RESPONSIBLE.

In my mind the catalogue house and the department store are the greatest evils we have to combat. I do not think it is necessary to go into particulars to describe their methods of doing business. Yet it may be of interest to some of you present here to-day to know that the catalogue houses carry a very small amount of goods compared to the amount of business done. And why should they when the jobber is willing to carry it for them?

I will not be so hard upon the jobber in this address, for we all know he has troubles of his own, and I believe the conservative and less grasping ones are realizing the error of their ways and are willing and aiming to mend them. They must learn that the retailer is their only friend, and without him they have little chance of existing as such.

It is not my intention at this time to touch upon every subject that may come up before this meeting. You know best your grievances as they exist, and I will say that this is the place and now is the time to make the confession.

The secretary, Paul Wagner, then read his report, which was substantially as follows:

#### SECRETARY'S REPORT.

In presenting to you this, my second annual report as secretary of this association, I shall, in as few words as possible, try to bring before your mind the work that has been done by your honored servant within the last twelve months.

On February 12, 1901, when the first annual meeting of this association was called to order at Lexington, we had 33 members enrolled. Of this number 25 were from Louisville alone. Before the meeting adjourned we had secured 11 new members, seven of them from Lexington. Since then we have enrolled eight more names to the list, making a total membership to-day of 52, representing 15 towns in the State. It has been the ambition of the secretary to increase the

It has been the ambition of the secretary to increase the membership to 100 within 60 days of this meeting. And I believe, with your assistance, it can be done. From correspondence received from various retail dealers throughout the State it would appear that they are finally awakening to the realization of cooperative action.

With an increased membership, and consequently a more satisfactory treasury, we think that much more can be accomplished in the future.

I would particularly call the attention of the retail dealer to advantages derived from reading one or the other of the various really good trade papers published. The subscription amount is so small that any dealer can afford to subscribe. They contain much that is of value to the retail Hardware

merchant, especially the reports of the different Hardware associations throughout the United States, and also the labors of the secretaries are lessened by the member being posted through such a medium.

After reports of previous standing committees, W. P. Lewis, of New Albany, Ind., president of the National Retail Hardware Dealers' Association, was introduced, and made a brief address, reviewing the work done by other State associations, referring particularly to the Indiana Retail Hardware Dealers' Association, of which he had the honor of being president. In the course of his remarks he alluded to the influence constantly being exerted by the National Association, an influence that was recognized by every manufacturer and jobber throughout the country. He urged the adoption of resolutions declaring the parcels post law now pending before Congress absolutely injurious to the Hardware dealers of the country, and hoped that the Association would take some action that would assist in preventing its passage.

The following committees were appointed by the president:

Committee on Resolutions—W. P. Oldham, Mt. Sterling; J. L. Malin, Vine Grove; U. S. Shacklett, Fulton.

Committee on Nominations—Kee R. McKee, Cadiz; Jos. Knapp, Louisville; Jno. C. Frederick, Owensboro; Geo. B. Minary, Versailles; J. W. Mahan, Lawrenceburg.

Among other resolutions brought to the attention of the convention were the following:

Resolved, That it is the sense of the Kentucky Hardware and Stove Dealers' Association, in convention assembled at Louisville, Ky., this 25th day of February, 1902, that the clause in the Rural Postal Delivery bill, now pending before Congress, and which provides for the delivery of merchandise up to the limit of 100 pounds at a very low rate of postage, is antagonistic to the interests of all retail Hardware dealers and an imposition on the machinery of government, and also it is antagonistic to the welfare of those corporations engaged in the business of common carriers.

Resolved, That the action of the association be communicated to the Senators and Representatives of this State, with the request that they take a strong stand against this bill for the aggregate interest of their merchant constituency.

#### QUESTION BOX.

The Question Box was then brought up for consideration, holding, as it did, quite a number of questions, among the most important of which were the following:

Should the legitimate dealer handle seconds? Should a retailer advertise prices?

What is the best way to fight the Steel Range peddler? Is it advisable to mark prices plainly?

T. James Fernley, secretary-treasurer of the National Hardware Association, was called upon, and made an extremely interesting address, to which the members gave very earnest attention. He dwelt upon the necessity for organized independence and the advantages of associated effort shown in the power and influence noticeable to-day in the various Hardware organizations throughout the country, local, State and national. He referred to the fact that trade association to be successful must be managed by men who are enthusiastic in their work, conservative in their judgment and determined in their endeavors to succeed. History does not record a brilliant deed the hero of which was not enthusiastic. What would have been great accomplishments have failed of success for lack of a conservative course of action. Do not coerce; persuasion is more effective.

Mr. Fernley at the conclusion of his address was given a rising vote of thanks by the convention.

W. R. Belknap, president of W. B. Belknap & Co., Louisville, then made a few remarks, in which he gave the assurance of assistance from the National Jobbers' Association in any fight which the retailers might have against the unprincipled competition of catalogue houses, department stores and retailing jobbers. His manner of expressing his thoughts on these subjects was such as to carry conviction to the members that he meant every word he said, and could be relied upon to back them up.

#### ELECTION OF OFFICERS.

The nominating committee reported, and proposed as officers for the ensuing year the following names:

W. P. Oldham, Mt. Sterling, president.

J. L. Malin, Vine Grove, first vice-president.

U. S. Shacklett, Fulton, second vice-president.

Paul Wagner, Louisville, secretary.

Jos. C. Kirchdorfer, Louisville, assistant secretary.

Henry Heick, Louisville, treasurer.

#### DELEGATES TO NATIONAL MEETING.

The delegates selected to attend the meeting of the National Retail Hardware Dealers' Association, at Chicago, on March 19-20, were Jno. C. Frederick, Owensboro, and Paul Wagner, Louisville, the alternates being J. L. Malin, Vine Grove; J. F. Van Deren, Lexington, and Jos. C. Kirchdorfer, of Louisville.

This was followed by the reading of several papers, to which the delegates gave their best attention.

J. L. Malin, of Vine Grove, read a convincing paper on "Why Hardware Dealers Should Join the State Association," in the course of which he said:

No sensible man can fail to admit that organized effort will control when individual effort might, and will, fail. Associations of every kind are primarily formed for the purpose of mutual protection. And the prime object of organization is to advance the welfare of members and incidentally the trade at large.

#### TROUBLES VARY.

My troubles may not be the same as some other dealer's in another part of the State, and his may be different from those with which some one else has to contend.

Therefore, every dealer should join his State association, and stand shoulder to shoulder, presenting a solid phalanx, so that the combined forces of those who are opposed to us cannot penetrate our lines.

Granting and demanding only what is right, we will succeed in our undertakings. Then let us take for our motto that of our grand old Commonwealth, "United we stand, divided we fall."

He was followed by Samuel B. Korb, secretary of the Louisville Retail Hardware and Stove Dealers' Association, who made an address on "Unfair Competition," from which we make a few quotations:

All other issues which this association may have now or in the future to deal with are as mere pigmies in comparison to "unfair competition." We have reason to feel alarmed with the progress it has been making in the last few years, and unless checked, the pathway, already choked with wrecked retail dealers, will be filled to overflowing with other unfortunates, and who can tell but what some of us may be among the number?

The most flagrant unfair competition is with the manufacturer or jobber who sells to you, and at the same time directly or indirectly seeks the trade of your customer. The retail dealer makes the jobber, therefore the jobber needs the retailer in order to retain his identity as a jobber.

retailer in order to retain his identity as a jobber.

Through the combined purchases of the retail dealers, jobbers are enabled to buy large quantities of merchandise, thus securing the lowest possible prices and other valuable concessions not ordinarily given to the average retail dealer.

Thus, if he chooses to do so, he can become the retail dealer's worst competitor. As matters stand to-day the retail dealer is virtually the agent of the jobber. He not only sells merchandise for him, but must become responsible for all expenses, collections, etc., necessary in the conduct of his business.

This same jobber, in his anxiety for more business and regardless of the consequences to the retail dealer, seeks other channels through which to dispose of greater quantities of

merchandise, and using no discretion whatever, he even becomes a competitor for business which absolutely belongs to some retail dealer.

Objections on the part of the retail dealer to such practices are at times entirely ignored, or perhaps the excuse may be offered that he is doing only what other jobbers are doing. Or, perhaps to keep the retailer in a good humor, in order to retain his trade, he may throw him a bone in the shape of a small commission whenever he thinks it necessary. He endeavors to make the retailer believe that his supposed grievances are purely of an imaginative nature, at least so far as he is concerned.

Thus I have not only described the most pronounced of unfair and dangerous competition, but also warn you that, unless this association finds a way to overcome such competition it will be useless to go any further in seeking reliciform other competitors.

Louisville was selected as the place of the next meeting, which will be held in February, 1903, on dates to be selected by the executive committee. The convention then adjourned.

The evening of the 25th was devoted to a Smoker and Dutch Supper, which was provided by the Louisville Retail Hardware and Stove Dealers' Association, and which was participated in by the visiting delegates with thoroughly unconventional enjoyment. Among other social features that were given during the proceedings of the convention was a theatre party given to the members and their wives through the courtesy of the wholesale Hardware house of W. B. Belknap & Co. The affair was a popular one, 81 persons participating, and Macauley's Theatre did justice to the occasion, which was a thoroughly enjoyable one. The kind hospitality of the wholesale house, through whose thoughtfulness the affair was made possible, was fully appreciated.

## Insurance Committee of Ohio Hardware Association.

A meeting of the Insurance Committee composed of the following gentlemen met at the Great Southern Hotel at Columbus, immediately after the adjournment of the Ohio Hardware Association: G. V. Guyton, Ada; O. M. Scott, Marysville; W. P. Bogardus, Mt. Vernon; C. C. Fouts, Middletown; J. P. Duffy, Greenville; Geo. B. Meyer, Cincinnati; Henry Rahe, Cleveland; Fred Haberman, Marion; W. M. Curmin, Salem, and Geo. M. Gray, Coshocton.

The following officers were elected pro tem: G. V. Guyton, president, and Geo. M. Gray, secretary. The secretary was instructed to send return postal cards to each and every retail Hardwareman in the State of Ohio, asking him to kindly state on the return card how much insurance he would be willing to take in case the company is organized on a proper basis.

The amount stated on return card will not in any way hold the writer responsible unless the company is organized on a solid foundation and on one that will be profitable to all. The committee desires this that they may be able to determine how much money can be raised prior to their efforts to establish an Insurance Co. for the retail Hardwaremen of Ohio.

If any retail Hardwareman in the State does not receive a card it will be because of an oversight, and he is asked to kindly notify the secretary, George M. Gray, Coshocton, O., and state how much insurance he would be willing to take. We trust that the retail Hardwaremen will respond promptly to this request as it is very important to the work of the committee.

Parson Johnson (catechizing)—Now, 'Rastus, yo' believes dat de whale swallered Jonah, don't yo'?

'Rastus-Yais, pahson.

Parson Johnson—Dat's right, 'Rastus; now, tell me why yo' believes it.

'Rastus--'Cause I'd git swatted ef I didn't.--Puck.



### IOWA RETAIL HARDWARE DEALERS' ASSN.

The fourth annual convention of the Iowa Retail Hardware Dealers' Association commenced its proceedings in the hall of the Y. M. C. A., Cedar Rapids, on Tuesday afternoon, March 4th. The attendance was hardly up to the average of the convention of last year, which probably arose from the fact of the postponement that had been considered necessary, and the changing of individual programmes, that militated to the disadvantage of a large attendance.

The president, W. A. McIntire, in his preliminary remarks stated that the action of the last annual convention in raising the dues from \$3 to \$5 had not met with general approval, quite a number of members sending in \$3 and canceling their dues, instead of the increased amount, which seemed to indicate a protest against the advance. The executive committee, at its meeting in Des Moines to make the necessary arrangements for this convention, deemed it advisable to authorize the officers to collect \$3 only for this year's dues, an action which he believed would be fully endorsed by the Association.

On motion of George Lister, the committee's action was endorsed.

The secretary, W. H. Keating, then submitted his report, as follows:

#### SECRETARY'S REPORT.

If my report seems to the convention to be rather brief, I wish to remind them that my term in office has also been but of short duration.

It was after the meeting of our executive committee last December in Des Moines, that our president, Mr. McIntire, called me up by 'phone and gave the information that I had been elected by that body as secretary of this Association to act until after their next meeting.

Upon receipt of the books and papers from the former secretary, I found that while there were about 400 names enrolled as members of our Association, only 102 had paid their dues for 1901.

This by no stretch of imagination can be called a very flattering showing, especially for Iowa, the State of all others that at this time is attracting the attention of the whole country, for her many brilliant and learned statesmen, her enterprise and general business prosperity.

Now the question for us to decide is, Why, with business

Now the question for us to decide is, Why, with business good and everything in a healthy and flourishing condition, should our Association continue to lag?

Is it because we are so shortsighted that as we have made a fair profit for the last year or two, we fondly imagine that those things of which we used to complain have ceased to exist? Or is it that, having joined the Association and paid our dues for one year, we sit back and expect all the reforms which we hope to be accomplished in that short space of twelve months, and because we can look across the street and see the "Racket Store" running the same as last year, we jump to the conclusion that our Association is no good and accomplishes nothing?

Another thing we did upon receipt of the books was to begin immediate preparation for the annual meeting. Together with the president, we prepared and mailed circular letters and programmes to all the dealers; afterwards we mailed the same number of postal cards notifying the trade of the change in hotel headquarters. Then again when we supposed everything was prepared and all arrangements complete for a meeting at Des Moines, came the news just a few days before the time set, that on account of smallpox being prevalent, the city council had declared a quarantine against holding public meetings. This necessitated mailing cards to all the trade postponing the meeting, and afterwards sending a circular letter calling this one at Cedar Rapids.

This was followed by the reading of Treasurer George Lister's report, showing balance on hand last year of \$190.10; received during the year, \$208; total, \$398.10; paid out, \$345.96, leaving a balance of \$52.14.

On motion of L. H. Kurtz, of Des Moines, the secretary's and treasurer's reports were referred to the executive committee to be audited.

The president then appointed the following reception committee: Geo. E. Staehle, Earlville; L. Lindenberg, Dubuque; Jacob Seither, Keokuk, and A. C. Veitch, Oakland.

The Question Box was opened, and the several questions which it contained were fully discussed by the members.

The convention adjourned to meet at 9 o'clock Wednesday morning.

Wednesday evening was devoted to a smoker at the club rooms.

#### WEDNESDAY MORNING SESSION.

The president delivered his annual address, from which we make the following quotations:

#### PRESIDENT M'INTIRE'S ADDRESS.

I am pleased with the honor of presiding over the deliberations of this body, composed as it is of a class of men not excelled in integrity and business ability by any equal number of business men in the State. Our hands may not be as soft and white or our complexions as fair as some of our brothers in the mercantile line, but our hearts are just as big and our muscles are better developed. A good combination of brawn and brain and a clear conscience are said to be essential to good digestion. We have both.

#### ORGANIZATION AND CONCERTED ACTION.

This is a day of organization and concerted action in almost every branch of industry. Self preservation in the commercial world makes this necessary. It is an evolution in business when men organize and meet at regular intervals and collectively consider business propositions with which they have come in contact in actual experience during the year. No man is so wise or so far seeing but that he will be benefited by coming in contact with others. We have but little originality in our make up. Addison said: "Mankind is more indebted to industry than ingenuity." We have gotten our knowledge largely from others. Then, if we mingle not with others we do not get the best.

#### ENCOURAGE THE TRAVELING MAN.

It is worth your while to invite a traveling salesman to sit down and spend an hour with him. His vocation puts him in touch with men and measures. He is an observing man of some ability or he could not hold his position. Treat him cordially, even if you do not give him an order. They are here with us to-day by invitation that we may be benefited by touching elbows with them. We get our knowledge by induction and deduction. We observe certain business principles adopted and followed successfully. We adopt the same and by analogy we adapt them to our business. We do more if we would be progressive.

#### THE MAGNETISM OF ASSOCIATION.

At a meeting like this, you intuitively imbibe the spirit that pervades the atmosphere. You catch the spirit of interest and energy and magnetism of those with whom you are associated. You leave the meeting with a knowledge that your ideas have been broadened and enlarged. You realize that you are only an integral part of the whole, and while you have succeeded fairly well, some of your neighbors have succeeded equally as well or better. Self conceit is a necessary element to success when tempered with good judgment. It enables one to accomplish results. It gives you opinions of your own. It gives identity, and stamps you as an important factor in your business. It directs those in your employ. No business man can succeed without it.

No clerk is worth his hire unless he can do something independently and alone. The business world wants more leaders and fewer followers, young men full of ideas and energy and old men with pronounced good judgment. The methods of doing business fifty years ago will not apply today. The business man of fifty years ago is a back number to-day, except he, by association, observation and energy, has kept abreast of the times.

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#### HARD TO BREAK AWAY FROM OLD WAYS.

The ways of the world change, and one must be ever active and alert to keep pace. It is hard to break away from the well beaten path. The man who harvested his grain with a cradle and threshed it with a flail still rejoices in the knowledge of the good old times of yore and the enjoyments, if not the comforts, in those days. But how changed the conditions The financial giants are in a mad race for the goal. The Hills, and the Morgans, and the Vanderbilts are organized. The trusts are organized. Labor is organized. We, too, must be organized. Not because it is a popular fad. Not because of social pleasure altogether, but for the promotion and protection of our business.

#### NECESSITY OF INCREASING SALES

In the past few years the commercial world has enlarged. The merchant who sold \$10,000 worth of goods fifteen years ago must now sell \$20,000. Expenses are higher and margins on sales smaller. There are no trusts in our business. You must meet competition fair or unfair. Year after year we observe various articles in Hardware forced into the staples line, until to-day the bulk of the goods sold in our line may be classed as staples. The dealer must meet these prices or lose his trade. He must, therefore, increase his sales so that in the aggregate, at the close of the year, his profits will be as large or larger than formerly. The twentieth century dealer will not permit an accumulation of odds and ends, a collection of rusty, damaged and unsalable goods; but after invoicing, which should occur once a year, they are put in the best possible condition, pushed to the front and sold at some price.

The jobber to-day is in close proximity. You can get your goods clean and bright on short notice. It is not necessary to carry a heavy stock, but it must be complete. small quantities and carry what your customers call for.

H. A. Cole, of Council Bluffs, and C. R. Keating, of Mt. Ayr, read papers on "The Benefits of Organization," and S. R. Miles, of Mason City, one on "Credits." We make the following selection from Mr. C. R. Keating's paper:

There might be volumes written on the subject if we were to discuss the benefits that have been derived from a few of the more prominent organizations that have been in existence in recent years, but it is our aim to only call attention briefly to some of the benefits that have been derived, and that we may expect to derive. We may not be able to accomplish all that we would like to accomplish in the way of holding the Hardware business in the hands of the legitimate Hardware trade, but that we have accomplished a great deal along these lines is evident from the fact that we are receiving frequent communications from manufacturers and jobbers, stating that in the future they will sell only to the regular Hardware trade. Some of these same firms were a short time ago selling their goods to any and all that would buy, and in a great many cases placing them in the hands of our worst enemies. To-day they are doing all in their power to confine their business to the legitimate Hardware trade, and in many instances cooperating with the National Association.

#### KNOW YOUR COMPETITOR SOCIALLY.

I fear that the great majority of us during the rush and push of the year's business manifest very little love and charity for our neighbor, who is selling Hardware in the next block. These things ought not so to be, and would not be if we were better acquainted with our competitors. The wise thing then for us all would be to lay aside the cares of business for two or three days in the year, meet together harmoniously and talk over our various troubles and difficulties, also our successes, with the object in view of helping each other. I am sure that we would all be greatly benefited and better prepared for the requirements of business in the future by so doing.

#### THURSDAY MORNING SESSION.

George E. Staehle, of Earlville, read a paper on "Trusts and Their Relation to the Retail Dealer," and L. Lindenberg, of Dubuque, one on the subject of "Our Competitors." From the latter we quote the following:

I would like to be able to tell you how to meet this manifold competition that besets us, but a wisdom equal to Solomon's would be required to do so. As we must compete, let us do so in an honest, honorable way. My advice would be to have your stores kept clean and attractive, show your goods willingly and cheerfully; don't misrepresent. Use common sense, apply the Golden Rule in your dealings with your cus-

tomers, "Do unto others as you would have others do unto you," and don't worry. If you do this, under ordinary circumstances you should achieve success. You will not, in all probability, become wealthy, and right here let me say that wealth will not buy health nor happiness; indeed, both health and happiness are frequently lost in the scramble for wealth. If being a factor for good in the world, if being remembered by a grateful posterity, would be considered success, then Charles Dickens, for instance, would entirely eclipse our modern millionaires in having lived a useful and successful

#### State Aid to Manufacturers.

Instead of making an elaborate display of live stock, agricultural, horticultural and dairy products at the coming World's Fair in St. Louis, it is probable that several of the Eastern States will give prominence to their manufacturing industries. All the Eastern States depend largely upon the West and South for their markets, either directly or through jobbing houses, and it is considered to be in the line of good business policy to exploit that which will bring the greatest benefit to the State. To what extent the State may properly extend its aid to private individuals or concerns engaged in manufacture is a question that will be much discussed. is possible that a solution may be found in providing the installation for exhibits of manufactured products and possibly in bearing the expense of transportation. This plan would leave the manufacturer the expense of providing and maintaining the exhibit. No charge will be made for exhibit space. The cost of installation is the greatest hindrance to a general representation of manufactured products at an exposition, and it is clearly to the advantage of any city or town to have its industries well represented at an exposition of such magnitude and importance as the World's Fair at St. Louis. The manufacturing industries of Eastern towns are depended upon to employ the available labor of each town and to produce articles of usefulness to be sold in distant markets.' Money is thus brought back to the community to offset the constant outlay for goods not produced in that particular community. The community is thereby maintained in a healthy condition so far as its commercial life is concerned, and the farmers find each prosperous manufacturing center a profitable market in which to dispose of their products. It is, therefore, highly important in any manufacturing community or commonwealth that the various industries be maintained in the highest degree of prosperity, for all citizens then receive their due share of benefits. It is upon this theory that those interested in the representation of various Eastern States are proceeding, and it will be due to this departure from precedent that there will be an extraordinary display of manufactures from the East. The States of the Mississippi valley will show both manufactures and products of the farm and mine, while the States of the South and West will display extensively their live stock, agricultural, forest and mineral products.

#### Cost of Expositions.

The construction cost of the Pan-American Exposition at Buffalo was \$9,000,000; of the Parix Exposition last year \$10,000,000; of the World's Fair at Chicago \$18,000,000, while St. Louis will spend \$30,000,000 in building her Louisiana Purchase Exposition in 1903. The area of the Paris Exposition was 173 acres; that of the Pan-American 350 acres, and that of the Louisiana Purchase will be over 1,100 acres.

The physician pondered the case for a few minutes before he ventured an opinion.

"I think your husband needs a rest more than anything else," he said at last. "If he could be convinced of that—" But he refuses absolutely to listen to me, doctor." "Well," returned the physician thoughtfully, "that's a move in the right direction."—Chicago Post.



#### OHIO HARDWARE ASSOCIATION.

The eighth annual convention of the Ohio Hardware Association was held in the hall connected with the Great Southern Hotel, Columbus, opening on the afternoon of Tuesday, February 25. At the opening session about 150 delegates were present. The convention was opened by prayer offered by the Rev. Washington Gladden, of the First Congregational Church. The president then introduced J. Y. Bassell, secretary of the Board of Trade of Columbus, who delivered a brief address of welcome, which was responded to by President Scott for the association, in a short address that did justice to the occasion. This was followed by the roll call, after which the minutes of the 1901 meeting were read. Then President Scott made his annual address, as follows:

#### PRESIDENT SCOTT'S ADDRESS.

Gentlemen of the Convention:

I do not purpose to preface this business session with a formal address. Had I so intended, the Secretary's letter, sent throughout the State, would have barred me, for in it he says: "This convention is to be one of business, from he says: "This start to finish."

I wish, however, to say something concerning the Asso ciation as an organization. In this day of trusts and combinations, unorganized dealers in any line of trade may just as well go way back and sit down.

HOW THE G. A. R. DO IT.

On the fifth of this month the pension board of the G. A. R. met in Washington, headed by the Commander-in-Chief, Gen. Eli Torrence, and five other men of equal prominence. The object of the meeting being to hear and consider various complaints and grievances of members of the Grand Army and other veterans, and take action regarding pension legislation. The committee spent some time at the Pension Office, examining complaints as to some rulings of the Commissioners of Pensions. It is a conceded fact that the present liberal pension legislation is largely resultant from the influence brought to bear by the organized effort of the G. A. R. Many an old soldier gets a pension the size of which is largely measured by the effort of the G. A. R., though he may claim that the organization amounts to nothing, and will not turn from this same pension the pittance of less than two cents a week to keep it up.

LACK OF ENTHUSIASM AMONG DEALERS.

In like manner there are dealers in the State who will not join this body, who are being benefited by the silent, unseen, unwritten and unuttered influences that have gone out from it. Every Hardware firm in the State should become a member of this body.

In more than one case the complaint of the O. H. A. has caused anxious trembling to the offender. Our influence has been felt and heeded, and much good has been done. weight of mercantile organization is now being felt upon the law-making power of the country. Perhaps no one will be so rash as to assert that he has all the lines of his business in hand and working together to his satisfaction and profit.

COMPLAINING MEMBERS.
The member that complains (there are some who do) that little has been accomplished, and less remedied, should remember that it would be an ideal organization that could accomplish in eight years what the individual has failed to bring about in any number of years.

The

REASONS FOR FORMING THIS ORGANIZATION

were no stronger than those that exist to-day for its continuance. New conditions are confronting us every day. Each new one will hardly bear discussion, until another intrudes itself which can neither be solved or evaded.

It is gratifying to know that the moulding influence of the O. H. A. has been felt at home and abroad. Other countries are recognizing and some adopting the organization thought as uttered by this association. Mercantile organization is preeminently an Ohio idea. We are the father, mother, instigators and originators of the association movement. A few days ago, I had a letter from Canada asking how we did it. Hubbard, of Roycroft fame, has said: "Your own will come to you if you hold firmly to the thought, and hustle." My parting word as your president is,

HOLD FIRMLY TO THE ORGANIZATION THOUGHT.

If we fail to bring all things our way, let us be satisfied with the effort we have made to confine our craft to still waters. The stream is full of drift, Navigation calls for an every-day supply of high pressure. Only a skillful hand at

the wheel will prevent disaster.

Gentlemen, the convention is yours. If you have a plan by which competition can be made less keen, if you know how trade can be kept in proper channels, if you have found out how the cost of manufacturing can be reduced, this is the place to tell it, and thus throw light upon the leading thought of our organization, to lighten the burden of business and increase profits. While in a sense we are compelled to consider the difficulties of our business, let us not fail to mention the pleasure and profit it brings, nor forget that it is the hopeful man that will secure the cooperation of others, and thereby gain the desired end.

In closing I wish to thank you for the honors that you have conferred upon me. First as member of the executive committee, called upon to make several addresses; for two years as your president, you have given me abundant evidence that my services have been over-estimated. For all of which I am very grateful; henceforth you will find me in

the ranks.

Long live the Ohio Hardware Association!

T. James Fernley, secretary-treasurer of the National Hardware Association, being present, was called upon by the vice-president, who stated that the convention would be very glad to extend to him the courtesies of the floor. Mr. Fernley then came forward, and delivered, as usual, an able address on the subject of trade organization and its relative importance. He was listened to with commendable attention, and, as usual, made a number of good points which were highly appreciated. The president then announced that next in order would be the report of the secretary, which was as fol-

#### SECRETARY GRAY'S REPORT.

Gentlemen of the Ohio Hardware Association:

I esteem it a great honor to present to you the eighth annual report of the Ohio Hardware Association. Under date of October 10, 1894, a call was made for a convention of Hardware dealers of the State of Ohio, one from each county having received the call. The meeting was held at the Neil House, this city. The firms present represented twenty-eight counties of the State. Those present decided to adopt the name of the Ohio Hardware Association, and according to Section 2 in the Constitution: "The object of this association shall be to promote the interests of and secure the friendly co-operation of the Hardware dealers throughout the State. The next meeting was held in Columbus, February 13th, 1895, at the Neil House, which was the first annual meeting. At that time we had but thirteen members. I had the honor of being at this meeting and later had the great honor of being elected your corresponding secretary. I cannot sufficiently thank the Hardwaremen of Ohio for your continued marks of good will and confidence, and can assure you that I appreciate this honor.

Since we met in this city eight years ago a great many changes have been made. At that time the department store was in its infancy, and the manufacturer and jobber confined their sales to the legitimate trade. To-day the retail trade is suffering from a universal business conflict, caused partly by the manufacturer and jobber taking from us the trade that rightfully belongs to us. There is a serious controversy going on as to the cause and remedy. Grave questions of a vital character relating to our rights are be-These questions demand and must receive the highfore us. est and best thought of the retail dealer's mind.

In all that I have done under the office I have been holding I have sought faithfully and zealously to present our



claims in a friendly way. The object of the association from the beginning was to promote the interests of and secure the friendly cooperation of Hardware dealers. as to these vital questions of the future, I only hope that we will go forward in the same spirit and with a determined purpose to stand up for our rights and to stand together. Without a doubt, we should have a friendly feeling for our competitor. We should never run down our competitors to our customers, nor allow our customers to run down our competitors to us. Some customers will tell you that they can buy nails for 10 cents per keg lower from your competitor, but they desire to favor you, notwithstanding your competitor has said harsh things about you. may be true and you had better settle the deal at once, but always remember, a man who quotes your competitor's prices, never makes them higher than they really are, and that you can generally compromise and get a little more than his first figure. The second statement you need not bother with. There is no use feeding expensive "hen food' to an old "Dominick" that sucks eggs. The chances are The chances are that this fellow said the harsh things about you himself, and your competitor had no voice in it.

Friendship is the one subject that a man in the Hardware business should treat solemnly. We go this way but one time. What we do now will tell in the future. If we could come back and live this life over and correct our mistakes it would be different. But we cannot. As a result we are banded together to promote the best interests of the retail dealers throughout the State, more than ever before in our history, a power in the fullest meaning of friendship.

To have been at the first meeting and to have met the other fifteen members, if nothing more than this had been accomplished, would be enough to entitle all who participated in the good work to the gratitude and the plaudits of the retail Hardwaremen. But great have been our achievements. We have increased in numbers until we have now three hundred and seventy (370) paid up members, who are representative, sterling business men. But as great as has been this achievement, others there are and greater.

We have about fourteen hundred retail Hardwaremen in the State, and at least one thousand of these should be enrolled with us. Unexpected emergencies will arise and unforseen responsibilities will devolve upon us, and it is a fitting opportunity for the statement that all emergencies will be met and all responsibilities will be faithfully discharged if we will enlist those who should be with us and stand on a friendly foundation.

The correspondence relating to our work during the past year has been large but not so large as last year. 10th day of November, 1901, the Executive Committee met at the Chittenden Hotel, this city, and arranged the program for this meeting. Under date of January 28 program was mailed to each and every retail Hardware dealer in the State, and this was followed under date of February 14th by a personal letter appealing to each one to come to Columbus. Following this a postal card was addressed to each dealer, calling attention to both the program and the letter. In all there were sent from the secretary's office five thousand pieces of mail. The correspondence relating to the association is not confined to our own State alone, but to the trade throughout the United I cannot refrain from saying here that my predecessor has done an untold amount of good for this association, not only as a great secretary, but as the gentlest and most lovable type of friendship. This is the place in the O. H. A. that will always be held by John F. Baker. I call attention to this at this time because it is an impressive admonition to us to be friendly to each other and also to be

In closing we ask you to notice our growth from an humble thirteen to our present membership. We know that you have kept trace of these meetings for the good of that which we all seek, "The Hardware Trade of Ohio," and its betterment in every way possible. We hope you will take up at this meeting the lien laws and discuss that which will confine manufacturers and jobbers and retailers within lines properly their own.

We need local association in our own town. I am delighted to see so many present, and may our coming together broaden our friendship and fellowship.

I beg to extend my sincere thanks to our president, who has been to me at all times a very great help, and also to the Executive Committee for valuable assistance when it was most needed, and finally to the members who have al-

ways responded in a kind spirit to all phases of the Ohio Hardware work.

Will C. Jones, financial secretary of the association, then presented the following report:

| Balance on hand as per last report  Received payment of dues since | \$49.0 <b>4</b><br>1,096. <b>43</b> |
|--------------------------------------------------------------------|-------------------------------------|
| Total Paid out for expenses                                        |                                     |
| Ralanas                                                            | 8458 R4                             |

On motion the secretary's report was adopted, and the treasurer's report was received and placed on file. The president then announced the appointment of the following committees:

Committee on Death of Herman Bahlman: O. P. Schriver, Otto Berger, George B. Meyer.

Question Box: A. Rothwell, Hamilton; W. B. Mc-Cracken, Lancaster; Justice Scheider, Marysville.

Laws Relating to Hardware Trade: George Hartke, Cincinnati; C. C. Johnson, Barberton; C. B. Burr, Columbus. Committee on Resolutions: O. J. Taylor, Sidney; W. P. Scott, McConnellsville; John Spoerl, Hamilton.

Nominating Committee: John F. Baker, Dayton; H. C. Wiseman, Springfield; C. E. Kirker, Manchester, and four others to come.

On motion the committee on nominations was increased to seven members, the president stating that the additional names would be given at the Wednesday morning session. On motion the committee on nominations was instructed to report two tickets of candidates to hold office for the ensuing year, but not necessarily two candidates for each office. After some little discussion in regard to this novel suggestion, it was conceded that no harmful results could spring from such action, and the motion was carried. The convention then adjourned until 9 o'clock Wednesday morning.

WEDNESDAY MORNING SESSION.

The convention was called to order, President Scott in the chair. The president announced the following names as added to the committee on nominations: Fred Neile, Cambridge; W. A. Remy, Mansfield; L. F. Stahler, Waverly; Theodore Weld, Marysville, who, with John F. Baker, Dayton; H. C. Wiseman, Springfield; C. E. Kirker, Manchester, comprise committee of seven.

J. P. Duffy, chairman of the Committee on National Association, made the following report:

The by-laws of the National Retail Hardware Association, as you were told last year, prohibited the Ohio Hardware Association from becoming members on account of the Ohio Association admitting to membership jobbers.

Mr. Duffy stated that the committee attended the last meeting of the National Retail Hardware Association and endeavored to arrive at some plan by which the Ohio Association could become a member of the National Association. He said that the result of their visit to the meeting of the National Association was the adoption of a resolution by the National Association, as follows:

"Resolved, That any States whose local Hardware Associations accept as members others than retail dealers the National Association will permit such State Associations to work in harmony with us, but will accept as members only such members of State Associations as are legitimate retail dealers, and their representation shall be the same as other States"

The committee recommended, Mr. Duffy said, that the Ohio Association endorse the resolution and would urge the retailers to become members of the National Retail Association, according to their by-laws and regulations. He also recommended the election of two delegates to the next annual meeting of the National Association; also that the retailers

of the Ohio Association be assessed an additional dollar on their dues to pay the National Association dues.

On motion, the report was received and placed on file.

On motion of George B. Meyer, it was moved that the Ohio Hardware Association join the National Retail Hardware Dealers' Association. The motion being seconded, remarks followed by Messrs. Meyer, Rothwell, Duffy, Bogardus and others in favor of the motion, which was unanimously adopted by a rising vote. It was then moved and carried, that the nominating committee be instructed to send two delegates to attend the National meeting.

Following the program, Mr. Rothwell was then called upon to address the convention on the subject of "Stoves," which proved to be an extremely interesting subject, and was listened to by the delegates with considerable attention, and very favorably received.

W. P. Bogardus, chairman of the committee on lien laws, then delivered his report, which concluded with the following suggestion of the committee:

"Your committee would, therefore, suggest that a committee be appointed to look after and secure, if possible, the passage of a proper lien law, and would recommend that every Hardwareman in the State make it his business to call the attention of his Senators and Representatives to the necessity for the passage of such a law."

On motion, the report was adopted.

Mr. Smith, the secretary of the Lumbermen's Association, came forward and addressed the association at some length in favor of the passage of Bill No. 102, now pending before the Ohio Senate, being a bill to amend the present lien law of the State of Ohio. He said he did not agree with Mr. Bogardus that certain clauses of the Michigan law should be incorporated in the bill, as such had been practically declared unconstitutional by the Supreme Court of Ohio.

The report of the committee on insurance, G. V. Guyton, chairman, was then read by the secretary upon request of the chairman, in which the subject of insurance and the organization of an insurance company within the association was exhaustively dwelt upon. On motion the report was adopted.

On motion of Mr. Carlson, the president was empowered to appoint a committee to go ahead and organize an insurance company for the Ohio Hardware Association. The motion was unanimously adopted. The president stated he would appoint the insurance committee during the afternoon session. The president subsequently appointed the following as members of that committee: W. P. Bogardus, G. V. Guyton, M. B. Talmadge, Chas. S. Johnson, C. W. Jewell. The convention then took a recess until 2 p. m.

#### WEDNESDAY AFTERNOON SESSION.

The convention was called to order at 2 p. m., the report of the grievance committee being first in order. This was followed by the reading of the following paper on

THE TRAVELING MAN, by J. H. Smith, of Smith Bros. Hardware Co., Columbus. Gentlemen of the Ohio Hardware Association:

This is a hard subject to handle on paper or as individuals. Traveling men are of varied temperaments, qualifications and physique. Some are short and jolly, some long and lean, some dyspeptic and irritable and others a happy medium. The young man on his first trip and the old veteran; the one who knows it all and others who are willing to admit that the buyer knows a little. Some know when to quit and some, like the gurgling brook, "go on forever." The one who can tell when a customer is in the humor for a little chat or a good story: and there are some who would tell a story when it should be easy to see that the listener's mind was on other things and his looks said plainly, "Ring off, you bore me." There are some who are always in a hurry to get through with a customer, which is commendable as a rule, for the reason that both the salesman's and buyer's time is valuable. Often times the hurry is not out of consideration for the buyer or because the salesman wants to make a train, but to meet some friend for a game of billiards or possibly poker. A salesman who is anxious to get through business to engage in some amusement will not succeed. If there is time

for amusement after business has been attended to properly, it is all right; but remember the old adage, "Business before pleasure." If any one man possessed all the good qualifications, he certainly would be a jewel. Traveling men, like men in other positions, are human and have their weak spots. When a salesman holds his position year after year with the same firm, he may rest assured that he possesses some of the good qualities necessary to be successful.

It is not a summer vacation to sell goods on the road as some without experience think. Especially is this true with the salesmen who visit inland towns. The country is well criss-crossed with steam and electric roads, but there are still many good towns that must be made by driving. Sometimes this is a delightful change from railroad travel; but when the thermometer bobs around zero or the mud is axle deep, driving until near midnight all alone and not knowing what minute you will break an axle, bust a belly band or be dumped into a ditch, is no cinch. I have had to substitute a rail for a wheel more than once, load the wheel into the vehicle, straddle a horse and go until I found a blacksmith shop, which was usually in the next town. Most all who drive much, have had balky, runaway, kicky or the back-you-in-a-ditch kind of horses to deal with. I would rather have a horse go down the pike at a two-forty clip than have one back all over the road at a snail's pace. You can pull with some hopes of success, but you cannot push on the lines hard enough to hold a horse straight. It is on such occasions as these that traveling men think of their mothers, wives or sweethearts. After making a long and often hard drive, if you are rewarded with a good fat order, it eases things wonderfully, but if you drive ten or twelve miles over bad roads and are given a reception that discounts zero weather, and you do not even get a chance to offer some of the wonderful bargains you have up your sleeve, you are liable to think harsh things.

Some merchants do not appreciate traveling men as they Good salesmen are always gentlemanly and courteous, and it does not cost anything for the merchant to be equally so. I might add that it always pays any merchant to treat a salesman, who is a gentleman, with consideration, and at least have a talk with him if he does not know of any goods he is needing. Traveling men must be well informed about the goods they are selling. They must be posted on the market and are often posted as to the future prospects of the market. They are always ready to impart any information to a customer that they think will benefit him. I am well aware that merchants can't always give an order, but they can treat the salesman so he will go away with a good, friendly feeling. Cold blooded merchants soon become known to the traveling fraternity and many a time they miss a good thing because the traveling man does not love them. If the list of Hardware items was as short as it was in the early history of our State, when our worthy President was a boy, it would not be necessary to have representatives visit the trade. In those days, the local blacksmith made the hasps, hooks and staples, eye hinges and many other articles in the Hardware line; but now the Hardware dealer sells anything from a harness needle to an automobile, and new goods, new designs and new finishes of Hardware are of monthly occurrence, and it is necessary for the merchant to know of these goods. He cannot always come to an intelligent conclusion by reading a description from a circular, but must see samples or talk with some one who can inform him of the merits of the article. much less expensive to have one man call on hundreds of merchants than for the numerous merchants to visit the manufacturer or jobber. Hence the necessity and economy of the traveling man. I recall a story of a merchant who went to the city to buy some goods. Naturally the jobber was glad to see him and wanted to show him that he was a good fellow, so he offered him a cigar. The visitor asked the price of the cigar and was informed. He then asked the price of gimlets, and when he got the price he said, "Well, seeing it is the same to you I will take gimlets." That man had an eye for busi-

Traveling men are expensive. Some a great deal more than others. This has been and always will be a serious problem with employers. Sometimes a salesman stops at a \$4 per day hotel when there is one as centrally located and as good, but not so stylish, for a less rate; sometimes they ride a few blocks when walking is good; sometimes they smoke ten-cent cigars, while the employer smokes stogies; they drive two horses and take a driver when one horse and doing their own driving is cheaper. There is a town fifty miles away where the hotel is better or possibly they have a best girl, and it only costs a few dollars extra and they can get back the next morning

early, and so they go and the firm foots the bill. I am glad to say that all of our salesmen are married and do not make these side trips, but I have known some who did. I am personally acquainted with a man who traveled in the same territory in Michigan that I made some years ago, who made a uniform charge of fifty cents for all meals. Other men traveling for the same firm had meals charged at prices ranging from twenty-five to fifty cents. The manager of the house called the "Fifty-cent man" to account and wanted to know whether he always had to pay fifty cents for his meals. He said, "No, I often get a meal for twenty-five cents, but it is worth fifty cents to eat it." The manager had nothing more to say.

A firm is judged largely by its representatives, and to a great degree are dependent on them. If a salesman misrepresents an article or wilfully misleads a customer, his employer is the one who suffers. A salesman of experience would not do a thing of that kind, but some new, ambitious youth sometimes only thinks of the one order in sight. I think I can say, without fear of contradiction, that Hardware salesmen, like Hardware merchants, are, as a rule, of the highest type of business men. There is no more elevating or honorable business, or one where it takes men of large caliber to make a success than the Hardware business.

A great many men think they are well qualified to sell goods on the road, but it often times takes but a short while for them to find out that they can't make expenses. I heard of such a man, who got an idea that it was easy. He started out with samples and a good supply of expense money, which soon disappeared. He had to send for more money, but had no orders. The firm sent him more money and told him they expected some orders. After he had been out for two or three weeks and still had sold no goods, he wired for more money. The firm wired him to send his samples home. He sent his samples and then wrote them to know how he was going to get home, as he was out of money. They wrote him saying, "Enclosed find some feathers, make yourself wings and fly home." I hope no Hardware salesman will have to resort to wings, because it is hard to get the right flop.

The iron industry, which includes Hardware, is without doubt the most important industry of the present age. It is the barometer that indicates the condition of the industrial and financial world. When the iron industry is in a healthy condition every other branch of trade flourishes; but let the iron market slump and it is certain that every other industry will also immediately suffer. Reports from the iron producing sections show a most healthy condition at the present time. Every mill is sold up for at least six months ahead, and some for the year. Hardware dealers know how hard it was to get goods the past year, and I anticipate a shortage in a number of lines this year. Many manufacturers have been make prompt shipments.

The past three years made for all classes.

The manufacturer, mechanic, farbehind on orders for nearly a year, and are still unable to make prompt shipments. The past three years have been mer and merchant have all had better opportunities for making money than usual, and I think, as a rule, have been making hay while the sun shone. I think, that while the sun has possibly passed the noon time, it will not be dimmed by any serious reverses to business during this or the coming year. I trust my prophecy will be true and that for many years we may enjoy continued prosperity. Lack of confidence is the cause of many panics. People hear rumors of a shortage of currency, or the wheat crop, or some other dire disaster, and get scared. Contradictory reports are circulated, but they are like the tramp who hesitated at a gate on account of a big dog that was in the yard. His pard said, "Go on in, Bill, he won't bite you. Don't you see he is wagging his tail?" Bill said, "Yes, but he is growling, too, and I don't know which end to believe."

Success in anything is dependent on plenty of hard work, constant watchfulness for leaks on account of bad debts and bad stock, careful attention to your customers' wants, and persistent hustle, remembering that

"The man who whispers down a well About the goods he has to sell Will never reap the shining dollars Like one who climbs a tree and hollers."

WEALTH SHOULD BE EQUITABLY DISTRIBUTED.

I think you will readily agree with the proposition that the more equitably the wealth of a nation is distributed among those who produce it the greater and more lasting the general prosperity, and hence the more beneficial to every commercial interest.

It must, therefore, follow that whatever public issues may affect these conditions to the detriment of trade should re-

ceive careful and unbiased consideration in a convention of this kind. And inasmuch as the past so conclusively demonstrates that future economic effects are the most serious feature of the problems of to-day it behooves us as merchants to thoroughly advise ourselves of their premises and in the pride of true citizenship champion and endeavor to effectually apply our convictions.

The president then called upon the Question Box committee to make a report, which they did, reading a number of questions that formed the contents of the question box, upon which a discussion followed in regard to the same, which was participated in by a number of the members, after which the convention adjourned until 9 o'clock Thursday morning.

#### THURSDAY MORNING SESSION.

President Scott called the convention to order at 10 a.m. Following the program, the first called upon was C. W. Jewell, who delivered an address upon

#### HONORABLE SUCCESS.

the interest of which may be judged from the brief selection we make:

"Now, the question comes how to succeed honorably. What is success? The world terms success the attainment of wealth. This is the world's idea of success. My topic is honorable success. It may be the accumulation of dollars; it may be failure, as we have shown; it may be just the eking out of an existence. I have been taught—but I did not get this from Bradstreet—that 90 per cent. of all business mea fail; that 5 per cent. get rich, and that 5 per cent. die in the harness. I am not here to vouch for that statement, but it is told largely as a fact. So then, if we are honorable and die in the harness, it is greater wisdom than to gather gold and die in dishonor.

"I believe a business man has a right to expect success just as much as a farmer has a right to expect a crop of wheat when he sows."

The president than announced that the next subject on the program would be an address by F. A. Powers, on "Some Hardware Don'ts." Mr. Powers than addressed the convention on the very interesting subject selected, from which we make a few extracts:

Realizing as I do the many difficulties besetting the ordinary retail Hardware merchant, I am moved to criticise some of the hindrances which stand in the way of business success. The time is past (in Ohio, at least) when a man with a few hundred dollars, without previous experience, can start a Hardware store and become opulent before he is bald-headed. The evolution of trade demands more capital invested and a better business training than was required even a few years ago. Competition is much sharper, expenses, as a rule, are higher, and the percentage of profit much less. We have the catalogue houses on one side, and the jobbers on the other, both bidding for our customers' trade, and the poor retailer often feels he is "between the devil and the deep sea." We might adopt some of the methods of the catalogue house and department store with profit to ourselves. We don't want to adopt all of them if we expect honorable success.

Don't think you can run your business successfully without advertising. Just which kind is the most effective and profitable is something of a problem. Most of us have theories upon the subject which we have tested with more or less success. It is surprising how few Hardware merchants realize the value of their show windows for advertising purposes. When properly cared for, they can be made to pay big dividends for the labor and expense given them. Don't waste the valuable space they occupy by neglecting to wash the windows and changing the displays often. Don't think because many of the goods you sell soil your hands and clothes that your store must be kept exceptionally dirty. It may look like business to have your goods in such disorder that you must paw them over to find what your customers want, but it is not good business, and there is no excuse for such slovenly methods. The old adage that "goods well bought are half sold" is not more true than the modern one, "goods well displayed will sell themselves." With the improvements now offered for displaying goods, the added expense is but slight compared with benefits received.

Mr. Guyton moved that a vote of thanks be tendered the several gentlemen who had taken the pains and time to address the convention on the various subjects, and the motion was unanimously carried.

W. P. Lewis, president of the National Retail Hardware Dealers' Association, who was present, was then called on by the president for a few remarks, a suggestion to which he responded promptly and made a brief address, after which the convention took a recess until 2 p. m.

#### THURSDAY AFTERNOON SESSION.

The president called the convention to order at 2 p. m. Upon asking if there was any unfinished business on hand, John F. Baker introduced a resolution, which was unanimously adopted, tendering the thanks of the association to the local dealers of Columbus for the courtesies that had been extended to the ladies who had been present with their husbands, which was also made to include thanks for the many courtesies which were extended to the individual members. The president then called upon the Hon. F. B. Willis, of Hardin Co., who delivered an extremely well written address on "The Iron Industry," at the conclusion of which a vote of thanks was tendered him by the association.

The report of the nominating committee, which was then in order, was read by the secretary, and upon a ballot being taken, it resulted in the election of W. P. Bogardus, president; vice-president, L. F. Stahler; corresponding secretary, D. R. Burr; financial secretary, W. C. Jones; treasurer, H. A. Waller; executive committee, J. B. Carson, C. D. Cussins, M. B. Tallmadge, C. W. Jewell.

The nominating committee also reported the selection of the delegates to attend the annual meeting of the National Retail Hardware Dealers' Association: W. P. Bogardus, Mt. Vernon; J. B. Duffy, Greenville. As alternates: F. A. Powers and G. M. Gray.

The committee appointed on memorial, reported a resolution of condolence to be spread upon the minutes, on the death of Hermann Bahlman, president of the Kruse & Bahlman Hardware Co., of Cincinnati, O., and that a copy of same be forwarded to the family of the deceased. The resolution was adopted.

The committee on resolutions reported as follows:

"The decision of the committee was to reaffirm the resolutions of 1898, and pass them without any change."

The report of the committee was adopted and the resolutions passed.

Mr. Bogardus then made a brief address, tendering his sincere thanks for being made the president of the association, and hoped he would have the support of all the members in order to make his administration a success. Mr. Stahler followed, expressing his thanks as well for his elevation to the office of vice-president, which was also participated in by Mr. Burr, elected to serve as corresponding secretary.

It was then moved and carried that the association hold its next convention in Columbus on the fourth Tuesday of February, 1903. The convention then adjourned sine die.

#### BANQUET.

Wednesday evening was devoted to the elaborate banquet, which was given in the dining room of the Great Southern Hotel, and was given by the association, each delegate sharing in the expense. There were about 300 delegates and others that participated in the festivities. The full length of the dining room was utilized, five tables running parallel, and one table running across the room, which being the largest table, was occupied particularly by those who had participated in the oratorical diversions of the convention proper.

The first speaker was Governor Nash, who made a very humorous after dinner speech. At the conclusion of the address of the Governor, the toastmaster introduced Hon. F. B. Willis, of Hardin Co., who entertained the members present with a very happy speech. This was followed by a song by B. W. Payne, which called forth considerable applause. Colonel James Kilbourne was then introduced, and kept the members in a state of continuous enjoyment during his felicitous remarks. A song by George M. Schad followed the remarks of Colonel Kilbourne. H. C. Wiseman was introduced as the next speaker. He was followed by a brief speech from W. P. Lewis, which concluded the speech-making of the banquet.

#### Emery Stone in Greece and Turkey.

The Island of Naxos, embraced in the Greek Archipelago, is situated about 100 miles southeast of the Piræus. Its inhabitants are supported almost entirely by working the emery mines, of which there are two. The Greek Government is the owner and proprietor of these mines, but they are worked exclusively by the natives of the island. The Government has entire charge of the sale of the ore and buys the crude product from the Naxos miners at 21/2 francs (48 cents) per cwt. of 112 pounds. The ore is transported to the neighboring Island of Syra at Government expense, and is there sold on the wharf at 106½ francs (\$20.55) per French ton of 1,000 kilograms (2,204.6 pounds). Two years ago an American company attempted to secure a monopoly of the industry and made an offer to the Greek Government to buy 7,000 tone per year for ten years at 106½ francs (\$20.55) per ton, but for some reason the arrangement fell through. The total annual consumption of Naxos emery is from 5,000 to 6,500 tons. Of this, the United States takes 1,500 to 2,000 tons, and Europe from 4,000 to 5,000 tons. The Naxos mines have never been

Turkey has many emery mines scattered along the coast of the Mediterranean and nearby islands. Those of importance in the neighborhood of Smyrna are at Baltizik, Azizieh, Cosbounar, and Kuluk. Some of the Turkish mines are the property of the Turkish Government, but many of them are owned and operated by local companies and by single individuals. The total annual exports of Smyrna emery stone range from 17,000 to 20,000 tons, of which 10,000 tons go to America and the balance to Europe. The corundum found in the Turkish emery stone varies from 40 to 57 per cent., with the exception of Kuluk stone, which is said to contain about 37 per cent. Corundum in the Naxos stone is reputed to run as high as 60 per cent. The prices of Smyrna stone vary with the quality from \$14 to \$20 per ton f. o. b. Smyrna. I am creditably informed that no emery can be produced f. o. b. Smyrna for less than \$12.50. The Kuluk stone is shipped from the port of Kuluk, and is brought down from the neighboring mountains by camels. This stone is quoted f. o. b. Kuluk at \$10 to \$12 per ton. Turkish stons is not "treated" after leaving the mine, except by hand picking; it is never RUFUS W. LANE, washed or crushed.

Consul.

#### Loring Coes & Co., Incorporated.

The Coes Wrench Co., Worcester, Mass., has been consolidated with Loring Coes & Co., Incorporated, through the purchase by Loring Coes of the interests of his nephews, John H. Coes and Fred L. Coes, in the Coes Wrench Co. At a meeting of the corporation of Loring Coes & Co., held on the 1st inst., the following officers were chosen: Loring Coes, president and treasurer; Frank L. Coes, secretary; directors, Loring Coes, Frank L. Coes and F. W. Blackmer. Frank L. Coes has not previously been connected with the Coes Wrench Co., but has been vice-president and manager of Loring Coes & Co., makers of Machine Knives, since the date of their incorporation, in 1899.

"No, Willie, dear," said mamma, "no more cakes to-night. Don't you know you cannot sleep on a full stomach?"
"Well," replied Willie, "I can sleep on my back."—Ex.

### MINNESOTA RETAIL HDWE. DEALERS' ASSN.

The sixth annual meeting of the Minnesota Retail Hardware Dealers' Association was held in a hall in the Hotel Ryan Annex, St. Paul, on February 26 and 27, 200 members being in attendance. There was a meeting of the executive committee in the morning, but the regular session did not begin until 2 P. M., and it was called to order by President W. H. Tomlinson.

After the roll call, Mayor R. A. Smith gave an address of welcome to the delegates, congratulating them upon the success of the association during the past year, and assuring them of his best wishes for future prosperity. A. T. Stebbins, of Rochester, in his response to the address of welcome, said:

Some one has said there are no better citizens than merchants; they knit all interests together. If one wishes to start some enterprise for the public good, it is not the wealthy nor professional men, but the business men that are sent for. We have met here to get acquainted and also for educational purposes. To-day we have the telegraph, the automobile and wireless telegraphy, and there are great possibilities for the next century which are, indeed, beyond the comprehension

President Tomlinson then read his annual address, speaking substantially as follows:

#### ADDRESS OF PRESIDENT TOMLINSON.

It is with genuine gratification that I call this, our sixth annual, meeting to order. I am pleased to see so many of our members in attendance, showing an increased interest in our work.

Our association, the first to organize, is no longer an experiment; it has attained a solid footing. Composed of the best Hardwaremen of the State, we have steadily increased until we have now over 500 members.

Our finances are in a very satisfactory condition, and we are a power for good. During the year that has passed everything has moved along pleasantly. There has been no friction between the officers and the executive committee, and under the care of our efficient secretary the work has advanced satisfactorily. We have enjoyed a prosperous year, and none of our members have beeen taken away.

One of the many evils which we have organized to overthrow has been done away with, and it would seem poor business sagacity for any one to reorganize it in the expectation of making it a success, with 500 of the best Hardware dealers, and many other dealers in the State, to use their influence against it.

#### SUCCESSFUL INSURANCE FEATURE.

To-morrow President Hatch will give you the report of our insurance department, showing such phenomenal success that with the exception of one loss in North Dakota in the second year of its existence, the interest on the funds in the treasury has paid all our losses. I must earnestly recommend to all our members that as soon as practicable they place a part of their insurance with our company. We do not intend to take any risks that are hazardous, but we want to give good, safe, reliable insurance at cost.

#### ON CO-OPERATIVE BUYING.

Another matter of importance which I wish to bring before you is that of co-operative buying. I believe this plan to be to our interest. In buying together we shall only be imitating our friends, the jobbers, who do it with great success. If we can buy together, and save from 5 to 10 per cent. in so doing, we can offer a strong inducement and practical argument to good business men to become members with us. If you think it advisable, a committee might be appointed to consider this matter.

The proposition to join the National Association will come before you for consideration, and your decision may have great consequences for good or ill to our State Association. Our executive committee will report on the subject, as they have been requested to do, and the matter will be left in your hands for action.

I wish most heartily to thank the trade papers for their

uniform kindness and courtesy toward our association. wish to congratulate you on a prosperous business year now past, and on the prospect of continued prosperity in the immediate future, and in the progress, unity and hopeful outlook of the Minnesota Retail Hardware Association.

President Tomlinson announced that J. E. O'Brien, of Crookston, who was on the programme for a few remarks, was unable to be present on account of illness, and called on T. T. Batchellor for his paper on "The Possibilities of Trade Organization." As Mr. Batchellor was not present, the reading of this paper was held over until the Thursday morning session, and J. F. McGuire, of St. Paul, was called on for a brief address, in the course of which he pointed out the desirability of forming local associations and gave a brief history of the St. Paul local association, which has accomplished much of benefit to the members. While not organized to fix prices, the members of the association, by becoming better acquainted with one another, have learned not to sacrifice profits in competing with one another. Consumers have not been compelled to pay high prices, but have paid fair prices, enabling a reasonable profit to be made. He urged that dealers should do the same in other cities and towns. Through an association the matter of credits can be regulated and buyers can be prevented from going from one store to another, running up bills and not paying them.

At the suggestion of the president, J. C. Nolting, president of the St. Paul Retail Hardware Dealers and Stovemen's Association, held the attention of the convention with a few remarks. The president then announced the following committees:

#### APPOINTMENT OF COMMITTEES.

Insurance—A. C. Hatch, Battle Lake; Knute Hansen, Battle Lake; Julius Schmidt, Wabasha; O. F. Olson, Brandon;

A. E. Anderson, Rothsay.

Press—J. F. McGuire, St. Paul; C. Schroeder, Mankato;
J. P. Watson, Rochester.

-E. H. Heins, Renville; C. V. Ferguson, Chat-Grievances-

field; P. H. Caley, Princeton.
Resolutions—A. C. Stebbins, Rochester; C. F. Ladner, St. Cloud; J. C. Nolting, St. Paul.

This was followed by the annual report of the secretary, Thomas McCracken, from which we make a number of ex-

### SECRETARY M'CRACKEN'S REPORT.

We are now entering upon a new year of our life as a Hardware association, with the anticipation that its close may be signally marked in our work of uniting the retail dealers of our State in all things pertaining to our commercial interest and advancement. We have had a very busy year, and to the ability, discernment and the tireless energy of our officers and Executive Committee we ask you to give full measure of credit for whatever we have accomplished. They have been faithful to the trust you reposed in them one year ago, diligent at all times in duty, zealous in advancing and guarding the principles of our association, and in maintaining the dignity and honor, the high standard of excellence in administrative ability, which has ever been accorded to the official acts of the Minnesota Hardware Association.

Whatever we may have accomplished as your secretary during the year has been made possible by their kindly cooperation and assistance, and we are pleased at this time to acknowledge our gratitude to them. The lines along which all associations are now working have materially changed from those first marked out to govern their action. They have necessarily become so on account of the changed and constantly changing relations between the consumer and the retailer, the retailer and the jobber, the jobber and the manufacturer. Each being an important factor is alike not subject to elimination from the domain of trade, nor would it be desirable to have them so, were this consummation possible.

#### THE CENTRAL IDEA OF FUTURE GROWTH

and usefulness will be, we believe, the assimilation of these varied interests into a more orderly and perfect whole, each having its clearly defined course, which will in no sense infringe upon the rights of the other.

We do not think you can formulate any effective action which does not take into consideration this unity of interest, that will be in touch with advanced thoughts of the retail Hardware dealers of the State.

#### THE REFORMS

which have been made possible are so contrary to old established modes of bargain and sale as to be necessarily slow in There is an educational feature connected with adoption. this movement which must precede and leaven the whole prior to its full realization. Our associations can move no faster along these lines than the consensus of an awakened opinion among retailers will induce them by co-operation to make our efforts effective. Our work must not only be productive of results to the retailer, but of such a nature as to leave no room for doubt in his mind that association work is benefiting him. We believe this time has come to our association and that we will enroll at this meeting enough new members to give us the majority of the retail dealers of this State.

Treasurer G. M. Evenson, of St. Peter, then read his report, showing his receipts for the year to have been \$1,069.09, with expenditures of \$961.02, leaving a balance on hand of \$108.07. On motion the reports of secretary and treasurer were accepted.

On motion, a telegram of sympathy was sent to J. E. O'Brien, of Crookston, who was absent on account of illness.

An auditing committee was then appointed, consisting of C. F. Ladner, of St. Cloud; A. Meugh, of Princeton, and George F. Derry, of Plainview. At 3:50 the convention adjourned to meet on Thursday at 9 a. m.

#### THURSDAY MORNING SESSION.

With President Tomlinson in the chair, the convention was called to order at 9:30. After the conclusion of the roll call, Secretary McCracken stated that at the last annual meeting of the association he had announced that he would use his utmost endeavor to secure 100 new members during the year. Up to the first of the week he had secured 80, and since then had secured 24, making a total of 104. This announcement was greeted with considerable applause by the convention.

In response to further questions, Secretary McCracken stated that the total membership of the association was now 504, and as there were only 800 strictly legitimate dealers in the State, the association may now be said to embrace two-thirds of the retailers of the State.

On motion, a nominating committee consisting of one member from each Congressional District was appointed, which consisted of the following members: A. T. Stebbins, Rochester; C. Schroeder, Mankato; John R. S. Cosgrove, Le Sueur; J. C. Nolting, St. Paul; H. S. Cleveland, Minneapolis; C. W. Bouck, Royalton; H. E. Swenson, Lake Park; A. Sitz, New York Mills.

The nominating committee a little later made their report through Chairman Schroeder, of Mankato, as follows:

#### ELECTION OF OFFICERS.

President, W. H. Tomlinson, Le Sueur.

Vice-President, H. S. Cleveland, Minneapolis.

Executive Committee: Three years, P. J. McGuire, St. Paul; A. T. Stebbins, Rochester; Charles F. Ladner, St. Cloud, succeeding C. F. Stremel, Minneapolis; S. R. Nelson, Owatonna, and C. F. Ladner.

President Tomlinson expressed him gratification in being re-elected in a brief speech.

The question of protection from department stores was taken up, and on this subject J. F. McGuire, of St. Paul, made a few remarks.

The committee on resolutions, through their chairman, A. T. Stebbins, of Rochester, offered the following among others, which were unanimously adopted:

Resolved, That we deprecate the practice of manufacturers and Hardware jobbers selling Builders' Hardware and Builders' Supplies generally direct to contractors, thereby ignoring

the local dealer, and that we hereby request the officers of this association and the National Retail Hardware Dealers' Association to use their best endeavors to remedy this evil, believing that it can be accomplished through conferences with the manufacturers of Builders' Hardware and the officers of the National Jobbers' Association.

A discussion followed in regard to the methods of department store competition, and the unfair manner in which they advertised their Hardware department, which interested the members to a great extent.

H. O. Roberts, of Minneapolis, made a motion that a committee of three on syndicate buying be appointed, the same to make a standard retail price on the thousand and one articles found for sale in a Hardware store, so that the retailers would have something to govern them in fixing prices. The motion was adopted and the chair appointed Messrs. Roberts, of Minneapolis; Cosgrove, of Le Sueur, and Nelson, of Red Wing.

The auditing committee, through their chairman, C. F. Ladner, announced that they had examined the books of the secretary and treasurer and found them correct. The committee recommended also that future reports of these officials should give full details, both of income and disbursements. This was called to the attention of the Association by President Tomlinson in a few brief remarks. The convention adjourned at 12:80.

#### THURSDAY AFTERNOON SESSION.

The meeting was called to order with President Tomlinson in the chair, at 2:15, and he called on A. C. Hatch, of Battle Lake, president of the Retail Hardware Dealers' Mutual Fire Insurance Co., of Minnesota, who delivered a talk on the subject of "Insurance," with the statistics regarding which he was amply provided, and apparently impressed the convention with the desirability of taking considerable interest in this association business, now being largely entertained by the various State Associations. He was followed by P. W. Lyon, of Janney, Semple, Hill & Co., of Minneapolis, who addressed the convention on

#### THREE ESSENTIALS,

from which we make a few extracts:

The manufacturer is the genesis of our commercial life. From him emanate the finished products which form the basis of our trade transactions, like the vital organs of man's being, which take the food and convert it into blood, sending it out through the arteries of the body, supplying life and action to every member; so the manufacturer appropriates the raw material; the iron from the mine; the timber from the forest; the thought of man's mind, and the strength of his muscle; and by the subtle process of manufacture brings forth the merchandise of commerce and sends it down through the great arteries of our business life, furnishing thereby the very life blood to our commercial body.

Let us suppose, for the sake of argument, however, that in order to increase dividends the manufacturer conceives the idea of disposing of his goods direct to the retail trade, with a view of saving the jobbers' profit, what questions face him demanding a solution?

The first is, will it net him larger returns to market his goods direct than under the time honored jobbing system?

2. Will the service rendered on direct shipments be satis-

factory to the retail public?

3. A most vital question, at least so far as the retailer is concerned, is how much, if any, of the profit thus saved by the manufacturer will go to the dealer in the shape of a reduction in prices. And I am going to leave this last little problem for you to figure out at your leisure, for if there ever was an age when one set of men were willing, nay anxious, to give away any portion of their profit to another set of men, this is it.

It will be seen at a glance that in order for the manufacturer to render satisfactory service to the purchasing public in the absence of the jobber he must, of necessity, maintain a sufficient force of agents in the field and a line of distributing warehouses at strategical points in the territory, otherwise what will become of your rush and telegram orders which come to Twin City jobbers daily. Urgent needs must have a quick response. If you become suddenly ill you cannot send to New York for a physician, but are most likely to call the neighborhood doctor, and the retail public will never transact its business satisfactorily on factory shipments.

Now let us turn our attention for a moment to the jobber in his relations to the retailer and the consumer. The question is often asked: May not the time come when large jobbing houses will be led to adopt the methods now employed by catalogue houses, at least so far as selling to the consumer direct is concerned, and instead of employing a large force of travelers and other expensive agencies, which are now deemed so necessary to the proper prosecution of the jobbers' work; be led to draw the coupling pins on the expense account, and running right by the old town of Retailerville, never set a brake until he pulls in at the end of the line at the new town of Consumerville?

But before the jobber casts aside his old friend, the retailer, as a useless link in the chain of events, he must himself make some careful calculations. The first question to be solved is the same as that which the manufacturer must work out in his direct relations with the retailer—namely:

Will it pay larger dividends?

Is it a safe proposition?

And what are the objections to be overcome in its realization?

The first stubborn fact that blocks the track is, that in order to consummate such a scheme successfully it would be necessary to throw overboard the time honored credit system now employed as between the jobber and the retailer, and in its place must be established the same method now pursued by the catalogue houses—namely, that of doing business on a strictly cash basis. And let me say that the fond hope of the realization of the scheme exists solely in the theoretical brain of the man who has never had the sweet experience of closing a long past due account into a slow note, or has never had a vital connection with a crop failure.

Mr. Lyon's address was received by the convention with every evidence of gratification, apparently appreciating the numerous good points which he made in the course of his address.

M. De Motte, of St. Paul, then read an extremely interesting paper on the subject of "Advertising," in which he elaborated a number of convincing arguments.

H. S. Cleveland, of Minneapolis, then followed with an address on "The Relation of the Traveling Man to the Retail Merchant Has Its Many Sides to Consider," in which he argued that the relationship between the retailer and the "Knight of the Grip" should necessarily be a pleasant one. The province of wholesale houses is to employ the best men for traveling salesmen, and the buyer should appreciate that fact and keep on the right side of these honorable representatives of houses with whom they are pleased to do business.

In response to the telegram of sympathy sent to ex-President J. E. O'Brien, the following telegram was received:

"Your message of good wishes and good will received. Accept my kindest thanks for sentiments expressed. May success attend all your efforts, and may all our hopes be speedily and fully realized."

P. H. Caley, Princeton, chairman of the Special Grievance Committee, next made a report for that committee, which was accepted.

Mr. Ladner reported that the committee appointed last year to consider the abvisability of joining the National Association had at first felt that it would be inadvisable, because of the great expense. In view of the growth of the national movement, however, they now feel that Minnesota should join the national organization, and the means are available for paying the dues if the annual banquet is discontinued. They, therefore, recommended favorable action.

Mr. Hatch moved that the report be adopted, and the motion was carried unanimously.

Mr. Stebbins of the Committee on Resolutions offered the following, which was unanimously adopted:

Resolved, That it is the sense of this association that the time has arrived for us to join hands with the National Re-

tail Hardware Dealers' Association, and the Executive Committee is hereby authorized to take the necessary steps to have the Minnesota Retail Hardware Association enrolled as a member of the National Association.

MARCH 10, 1902.

#### EXECUTIVE SESSION.

The convention went into executive session and a lively discussion ensued relative to trade practices which interfered with the interests of retail dealers.

Announcement was made that the Executive Committee had elected W. A. Barto, of Long Prairie, treasurer for the ensuing year.

#### FRIDAY MORNING SESSION.

The Question Box was opened, and a number of queries found, which created considerable discussion. G. L. Nye, of the Minnesota Stove Co., on invitation addressed the convention, adverting to co-operative buying, which he stated he approved if a practical method could be devised for the purpose.

Mr. McGuire presented the following resolution, which was adopted:

Resolved, That the Hardware traveling men of Minnesota are hereby permitted and requested to become honorary members of the Minnesota Retail Hardware Association.

On motion of H. S. Cleveland it was decided to hold the next annual meeting in Minneapolis.

The president declared the convention adjourned, sine dis.

MEETING OF EXECUTIVE COMMITTEE.

The Executive Committee met on Friday afternoon to finish the work laid out by the convention.

W. H. Tomlinson, of Le Sueur, and Chas. F. Ladner, of St. Cloud, were selected as delegates to the National Association, with the privilege of naming a third delegate.

Thomas McCracken, of Minneapolis, was selected secretary for the ensuing year.

#### BANQUET.

The convention proceedings were followed by a banquet at the Hotel Ryan Thursday evening, which proved a most enjoyable affair, and one of its most attractive features. fully 300 being present. The room presented a beautiful appearance, the tables being arranged in the form of a gridiron, the toastmaster's table extending along the head. A fine orchestra, composed of ladies, furnished instrumental music while the menu was being discussed. Two professional entertainers enlivened the evening with song and After the coffee and cigars, speech making began under the direction of J. F. McGuire, as toastmaster. Mr. McGuire proved to be admirably fitted for this exacting position, introducing each speaker in felicitous phrases. The speakers were heard in the following order: President W. H. Tomlinson spoke of the opportunity for social communion afforded by membership in the association; Charles F. Ladner, father of the association, proved that he could tell a story very well; W. A. Barto, the new treasurer, demonstrated that he could talk readily; R. A. Kirk, president of the National Hardware Association, extended the greeting of his organization to the retail merchants of Minnesota; Geo. W. Cope, of The Iron Age, spoke of the extent of the Hardware trade in Minnesota; H. S. Cleveland spoke on the relations of traveling men and retail merchants; A. T. Stebbins discoursed eloquently of the resources of Minnesota; H. O. Spencer spoke entertainingly without referring to Door Hangers or Grindstones; H. P. Hall, of the St. Paul Trade Journal, lauded the standing of Minnesota among the other States at the Buffalo Exposition and elsewhere, and Jesse A. Gregg spoke for St. Paul jobbing interests.

First Burglar—Why, this is a fat job, Bill. How did you know there was so much silver at this house?

Bill—Put an advertisement in the poper offering five dollars an ounce for real silverware, and this here party was one of the ones that answered it.



## RECENT TRADE PUBLICATIONS.

CANADA CORUNDUM Co., Ltd., Toronto, Ont., Canada. 20page catalogue, envelope size, having reference to the product of Crystal Corundum from the Craig mine, possessing corundum deposits in various portions of the Craig mine mountain. The product of this company represents an entirely new era in abrasives, having inexhaustible deposits of pure corundum which is noted as being the hardest natural abrasive in the world, and of which they are now producing more than two thirds of the world's supply. They look forward confidently to displacing emery almost entirely from the abrasive market, claiming as they do that the advantages which the Craig mine crystal corundum possesses over emery and all other abrasives whether natural or artificial, make it only a matter of time before their product comes into universal use. Exploiting, as this little catalogue does, something entirely new in this especially important line, makes it a very desirables publication for the Hardware dealer to write for and familiarize himself with the contents of. A portion of the contents of this pamphlet consists of numerous testimonials regarding the high quality and superior advantages obtained by the use of this product of the Craig mine.

STOLLBERG & CLAPP Co., Toledo, Ohio. Spring circular dated January 15, of this well known wholesale jobbing house, embracing a line of goods suitable for the season which they desire to stimulate the sale of among their customers. This volume is a pamphlet, full catalogue size, printed on better paper than is usually seen in these supplementary catalogues, well illustrated throughout, and includes in its contents the usual Spring assortment, including steel goods, haying tools, grass scythes, wheelbarrows, spray pumps, shovels, spades, post hole augers, window screens, refrigerators, etc. A very useful compendium of Spring wants.

Frank Mossberg Co., Attleboro, Mass. Envelope size catalogue of 20 pages of Bicycle Bells, Automobile Bells and Wrenches manufactured in styles that have already become popular with the trade. This company manufacture sheet metal stampings and special tools; also machinery for the bicycle business. They solicit correspondence regarding the same.

FARWELL, OZMUN, KIRK & Co., St. Paul, Minn. 1902 catalogue of Bicycle Sundries. This is an important addition to the usefulness of their regular catalogue, being adapted more particularly for mail orders throughout the retail trade. It is in pamphlet form, 80 pages, full catalogue size, and embraces in its contents about everything that could possibly be needed or desired in the way of bicycle sundries, and covers too large a line of specialties to be even partially enumerated. It is as complete a representation condensed as it is possible to place between so few pages as are represented in this catalogue.

BUCKEYE CHURN Co., Sidney, Ohio. Envelope size catalogue of 12 pages, covering the products well known to the Hardware trade manufactured by this company, including the Buckeye Churn, the Sunken Lid Ash Dash Churn, the Queen Washing Machine, the Eureka Oak Horse Pail, the Climax and the Buckeye Oak Horse Pails. The Climax Pail is made of oak with flush bottom, and with their patent pail ear extending down the sides and hooked over bottom of stave with rivets through the two upper hoops on each side so the hoops cannot come off. The others are similar in

their construction, made with or without the strap on side. The cheapest article in the catalogue in that line is the Buckeye Ash Horse Pail made of ash with flush bottom, with short ear which extends below the upper hoop, having rivets through upper hoop on each side. These are listed as low as \$3.50 for iron hoops; \$4 for galvanized.

A. Tredway & Sons Hardware Co., Dubuque, Iowa. Spring circular No. 30, February, 1902. This is a 120-page catalogue, evidently intended and designed to assist their large general catalogue distributed to the retail dealers forming their customers. It is a very complete catalogue, comprising all the possible requirements for Spring trade, and covering to a certain extent every branch of the Hardware business that would naturally be stimulated by Spring wants, covering steel goods of every description, including grass hooks, scythes and scythe snaths, post hole diggers and drain spades, scythe stones and grindstones, lawn mowers, refrigerators, sewing machines, washing machines, clothes wringers, etc. Many a good and satisfactory order could be made by careful attention being given to the goods described in its pages, and no doubt the publication is a very acceptable one to the dealer to whom it is sent.

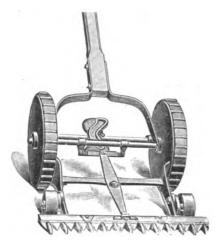
HORTON Mrg. Co., Fort Wayne, Ind. 12-page pamphlet catalogue of Washing Machines manufactured by this concern, which includes the Horton Rotary Washer, the Western Rotary Washer, the Western Washer, the American Washer, and the Wayne Round Washer, together with the necessary repairs numbered and specified for each of the washing machines enumerated in the contents of the catalogue. Included in its contents in the form of a circular attention is called to the latest improved Globe Washer, which is claimed to be the most up-to-date washing machine now before the buying public. Has later improvements, is a double-action machine, has two cylinders or rubbers, which by one motion of the operator are moved in opposite directions, thus rubbing and cleansing the clothes in a shorter time than can be done by any other method. Those interested in the distribution of a specialty as important as a washing machine would do well to write for this catalogue.

CHICAGO FLEXIBLE SHAFT Co., La Salle Avenue and Ontario Street, Chicago, with New York office at 97 Chambers Street, and London office at 6 Denman Street, S. E. Oblong catalogue of large size, covering the more important products of this well known concern, who are large manufacturers of Horse Clipping and Sheep Shearing Machines. They have received the highest honors at every exposition at which they have made an exhibit. The catalogue is fully illustrated throughout, giving large size illustrations showing the operation of clipping under various circumstances, together with illustrations and full descriptions of the machines by which this is accomplished. It is a very interesting catalogue for anyone handling these goods, being complete in every respect, and with full descriptions of their unvarying usefulness. These goods are marketed at moderate prices that afford the Hardware dealer who handles them a Included in the contents reference is satisfactory profit. made to the Clark Carriage Heater, which has become exceedingly popular wherever introduced. A briquette of carbon which is used in connection therewith will heat from twelve to fifteen hours. In fact, a third of a cake is sufficient for ordinary use, and will last from eight to ten hours. These heaters have been regarded as being a very desirable method of heating a carriage, and the sale has largely increased wherever attention has been given to their undoubted merits.

### NEW GOODS AND SPECIALTIES.

The Clipper Lawn Mower.

The Clipper Lawn Mower Co., Norristown, Pa., are placing upon the market the Clipper Lawn Mower, with the manufacture of which they have been identified for so long a time, greatly improved for this season. The illustration we give herewith shows a perspective view of the Clipper



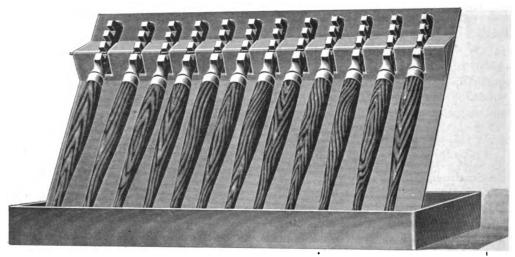
THE CLIPPER LAWN MOWER.

Lawn Mower. It will be observed the cutter bar is directly in front of the wheels. The wheels in traveling over the ground where the grass is cut, never roll down the standing grass as some other mowers do. The small gauge wheels at the side are designed to measure the height you wish to cut the grass. The knives can be sharpened in the machine with a small file or whetstone, or if deemed desirable can be taken out and ground, directions indicating that they should be

upright position, the vibration or reciprocating motion of the knives shearing off the grass in a very even manner. It is claimed by the manufacturers that the improved devices used in this machine make it entirely unnecessary to use either grass hook or shears when this lawn mower is in use. The company also make a Pony Mower of similar construction, having a cutter bar 24 inches long, the wheels being 15 inches in height, with a face of two inches. The handle naturally is much heavier than that of the hand mower. A V-shaped drag bar is attached to handle irons, to which pony is attached. This mower's weight is about 85 pounds.

#### Standard Glass Cutters.

W. L. Barrett, Bristol, Conn., is the manufacturer of the Standard Glass Cutters, which have been his most noted product for the last twenty years. They are made in different styles of handles in order to conform to the hand, and in their construction will be found as suitable as the old glazier's diamond. Instead of the diamond point formerly relied upon as the only article that could properly cut glass, these popular cutters are fitted with a small, hardened steel revolving wheel, the sharp edge of which cuts through the glass equally as well as the diamond. These goods are manufactured in a large variety of styles and sizes at varying prices. The style which we illustrate shows them carded for distribution to the Hardware trade, making a very good counter display that invariably attracts attention. Included in the assortment of these goods will be found Circle Sweeps for cutting circles, rounding lights, etc., which he makes in two sizes, 20 and 40 inches, the metal parts being nickel-plated throughout, and the bottom of the disk



STANDARD GLASS CUTTERS.

sharpened only on the beveled side of the knives. It is claimed that in the operation of the Clipper Mower, on account of the simplicity of construction nothing escapes its grasp, weeds, dandelion and plantain being cut evenly and fully as close as grass. From the improved construction of the machine the height of the grass is immaterial to the Clipper, as so far as the power is concerned no more is required to cut grass two feet high than it would to cut two inches, and it cuts much more closely in the mowing of irregular surfaces and spaces than is ordinarily the case, such as between posts of fences, walks and shrubbery. The fingers on the finger bars of the mower as it progresses, gather in the grass with great uniformity, and in nearly an

covered with rubber. He also manufactures a Glass Tube Cutter, very handy for engineers, steam fitters and others for cutting glass tubes. He has recently issued his 1902 catalogue, which should be asked for by every Hardwareman who has not already received it, as it covers a line of goods not usually incorporated to a similar extent in any catalogue within reach.

Roberts—Have you heard anything about Thompson's affairs since the failure? When does he expect to resume? Peters—Just as soon as the creditors become reconciled to the fact that they won't get a cent.—Ex.

#### REVIEW OF THE MARKETS.

Wire Nails: A fairly good demand continues for Wire Nails, which, inconvenienced as deliveries have been by unusual conditions, has resulted in a depletion of stocks and lack of assortment. The production of nails in some outside plants has been seriously interfered with by the overplus of water caused by the recent storms. Quotations that represent the market continue as previously given: \$2.05 to \$2.10 f. o. b. Pittsburgh, plus actual freight to destination.

New York. No weakness is manifest in the local market for Wire Nails, prices being firm, as follows:

Carloads on dock are quoted at \$2.25; small lots from store \$2.30.

Cut Nails: At the meeting of the Cut Nail Association, held March 4th, it was deemed advisable to advance prices five cents per keg for the month of March. The quotations are as follows: f. o. b. Pittsburgh, plus the actual freight to point of destination, terms 60 days, or 2 per cent. off in 10 days:

 Carload lots.
 \$2.00

 Less than carload lots.
 2.05

New York. No unusual demand exists for Cut Nails at this time. Prices that represent the local market are as follows:

Barb Wire: The Barb Wire market under a very satisfactory demand continues firm, at prices previously quoted, which for quantity lots are as follows:

| To jobbers in carload lots, Painted   | \$2.60 |
|---------------------------------------|--------|
| " Galvanized                          | 2.90   |
| " less than carload lots, Painted     | 2.65   |
| " Galvanized                          |        |
| To retailers in carload lots, Painted |        |
| " Galvanized                          | 3.00   |
| " less than carload lots. Painted     | 2.80   |
| " Galvanized                          |        |

Ellwood & Baker Wise is 5 cents, and Washburn & Moen Glidden is 10 cents per 100 pounds higher than the prices above named.

Plain Wire: The increase in manufacturing facilities on this product, apparently, only adds to the demand, which is an exceptionally good one. Present quotations are as follows, f. o. b. Pittsburgh, terms 60 days, or 2 per cent. off for cash in 10 days:

|                                        | Plain. | Galv.  |
|----------------------------------------|--------|--------|
| To jobbers in carload lots             | \$2.00 | \$2.35 |
| To jobbers in less than carload lots   | 2.05   | 2.40   |
| To retailers in carload lots           |        | 2.45   |
| To retailers in less than carload lets | 2 20   | 9.55   |

The above prices are for the base numbers, 6 to 9. The other numbers of Plain and Galvanized Wire take the usual advances, as follows:

| 6  | to 9.  |     | Base   |         |      |      |  |  |  | <br>\$0.40 | extra. |
|----|--------|-----|--------|---------|------|------|--|--|--|------------|--------|
| 10 |        |     | \$0.05 | advance | over | base |  |  |  | <br>40     | **     |
| 11 |        |     | 10     | **      | **   | 46   |  |  |  | <br>40     | **     |
| 12 | and 12 | 216 | 15     | 44      | "    | 44   |  |  |  | 40         |        |
|    |        |     |        | 44      | 44   |      |  |  |  | 40         |        |
|    |        |     |        | 44      | **   |      |  |  |  | 40         | **     |
| 15 |        |     |        | **      | **   |      |  |  |  | 75         | 44     |
| 18 |        |     |        | 44      | 44   |      |  |  |  | 75         | +4     |
|    |        |     |        |         | • •  |      |  |  |  | . 1.0ŏ     | **     |
|    |        |     |        | 64      | 44   |      |  |  |  | 1 00       | 44     |

For even weight bundles, 50 pounds and over, 5 cents per bundle advance on above.

Nats: An advance was made by the manufacturers on February 25 in the prices of Cold Punched and Hot Pressed Nuts. Present printed quotations are as follows:

|                                       |   | List. |
|---------------------------------------|---|-------|
| Cold Punched Plain Blank Square Nuts  |   | 4.80  |
| Cold Punched Plain Blank Hexagon Nuts | ' | 5.00  |
| C. T. & R. Blank Square Nuts          |   |       |
| C. T. & R. Blank Hexagon Nuts         |   |       |
| Cold Punched Plain Tapped Square Nuts |   |       |

| •                                 |       | Off  | List. |
|-----------------------------------|-------|------|-------|
| Cold Punched Plain Tapped Hexagon | Nuts. | <br> | 4.80  |
| C, T. & R. Tapped Square Nuts     |       | <br> | 4.80  |
| C. T. & R. Tapped Hexagon Nuts    |       | <br> | 5.30  |
| Hot Pressed Nuts, Square Blank    |       | <br> | 5.10  |
| Hot Pressed Nuts, Hexagon Blank   |       |      |       |
| Hot Pressed Nuts, Square Tapped   |       |      |       |
| Hot Pressed Nuts, Hexagon Tapped. |       | <br> | 5.30  |

Binder Twine: No change is noted in quotations previously given, which remain as follows, subject to 1/4 cent per pound rebate when purchased in carload lots:

|             | Per pound. |
|-------------|------------|
| Sisal       | .11 cents. |
| Standard    |            |
| Manila      |            |
| Pure Manila |            |

Cordage: The rope market continues firm, recent advance on Manila making the quotations which we give below, and which, now represent the market:

|                              | Founds, |
|------------------------------|---------|
|                              | Cents.  |
| Manila, 7-16 inch and larger | . 131/2 |
| % inch                       | . 14    |
| ¼ inch and 5-16              | . 141/4 |
| Sisal. 7-16 inch and larger  | . 10    |
| Sisal, 7-16 inch and larger  | . 101/4 |
| 12 inch and 5-16 inch        | . 11    |
|                              |         |
| Jute Rope, No. 1             | . 614   |
| No. 2                        | . 6′    |

Linsced Oil: The following quotations are the latest announced by the Dean Linseed Oil Co.:

The five-barrel price applies only to deliveries of that quantity at one time.

Boiled Linseed Oil, 2 cents per gallon higher than Raw. Calcutta Oil, 85 cents per gallon.

#### THE PHILADELPHIA TRADE.

During the last ten days Winter has, apparently, been trying to break all previous records, and has established a reputation for himself which is almost without precedent. Telegraph and railroad service has been greatly crippled—so much so it was impossible to make shipments to many points—and travelers have found the roads almost impassable, and railroad communication entirely broken.

This has doubtless had its effect on trade, and yet there is nothing to complain of in the volume of business, which has kept up in very satisfactory shape, and the outlook is still good for a lively Spring trade—especially in view of the fact that the retailer has had ample opportunity to dispose of his Winter goods, and, with empty shelves, and with full money drawers, dealers should all be in unusually good shape.

Prices are still very firm, and advances are of frequent occurrence, while the few changes taking place in the opposite direction seem to be mostly a readjustment of values.

The Axe market has taken a decided turn upward, and now seems to be in very strong hands, while still further advances are threatened.

Naturally, collections have suffered somewhat on account of the weather, but there seems to be no reason why there should not be a great improvement in this respect as soon as communications are again restored.

BIDDLE HARDWARE Co.

#### THE PITTSBURGH TRADE.

Pittsburgh has just experienced one of the worst river floods in her history. The financial loss to manufacturers and merchants has been quite heavy. Two to three days of suspension of business, and repairs that must be made, to say nothing of the extra labor and inconvenience entailed.

A large section of the business district had two feet of water over the streets, and a much larger section had the cel-



lars flooded, while all the low lying residence district was under water, causing much suffering.

These floods have been more frequent than usual during the past year or two. This one is the worst since 1884.

Apart from weather conditions business is in good shape, and a little sunshine will give the jobbing interests all they can attend to.

Logan-Gregg Hardware Co.

#### THE DAVENPORT TRADE.

The writer's head is still whirling from the effects of the Prince Henry ball at the Auditorium, in the "City by the Lake," and it may be that the whirl of the dance and this trade report will get mixed. The ball was a great success, more so than this letter will be. The trade conditions compare favorably with the reception of His Royal Highness in this land of the free and the home of the money-getters. The difficulty of obtaining enough of some lines of goods is equal to that of gaining an interview or handshake with the worthy representative from the Fatherland. While on the whole prices of Hardware are firm and advancing, some goods—shovels, for example—have reached as elevated a position as royalty, while other lines, among them may be mentioned screws, as low as the ladies' courtesies on being presented to the Brother of an Emperor. The elegant gowns and brilliant jewels worn may have been bought with the profits of some of the Hardware and Steel industrials, but hardly with the jobbing profits on Nails and Barb Wire. The weather is as bright and exhilarating as the strains of music of the orchestra of one hundred and fifty musicians. Trade is good, and so was the appetite of the dancers. Collections are reasonably fair, and the band played on.

SICKELS, PRESTON & NUTTING Co.

#### THE COLUMBUS TRADE.

Several things have happened since our last letter. The Ohio State Hardware Association met in our city last week, as you well know. We may say that it was the most enthusiastic and best attended meeting they ever held, which is proof that Columbus is the right place for the convention of the State. The easy access and lessened average expense to the delegates from the different parts of the State is an item not to be overlooked. We believe that the visiting delegates and representatives of manufacturers and jobbers were pleased with the treatment they received from the Hardware dealers of Columbus. We did nothing elaborate, but enough to show that we appreciated their coming to Columbus. We are glad to add that they decided to meet in Columbus next year.

We have had a touch of Spring, but it was only of very short duration. We think when the ground hog came out to see about it, that some hungry robin or blue bird spied him and thought it would be a good time to fatten up on some

fleas; but Mr. Hog did not like it, so he returned to his hole for another nap of no telling how long.

The demand for goods for immediate shipment is not large, but plenty of business is being booked for April shipment, and it will hurry us all to get the goods out on time. Makers of wire and nails are already beginning to be a little slow. Manufacturers of steel goods, screen goods, etc., are well sold up and don't want any more orders. The outlook is very encouraging for a heavy Spring and Summer business.

The Smith Bros. Hardware Co.

#### THE ST. PAUL TRADE.

The pleasant weather we have been having has stimulated business to such an extent that we are crowded with orders, which is an unusual condition so early in the year. The farmer and merchant think Spring has arrived, and the demand for barbed wire and nails is at least a month earlier than usual. Possibly this is partly due to the rumors of a scarcity and the rumors of higher prices.

Our State Retail Association held their meeting here last week. They had a good time, and all felt that it paid to attend. The general feeling among them is that the Spring business will exceed that of any previous year.

C. W. HACKETT HARDWARE Co.

#### THE SAN FRANCISCO TRADE.

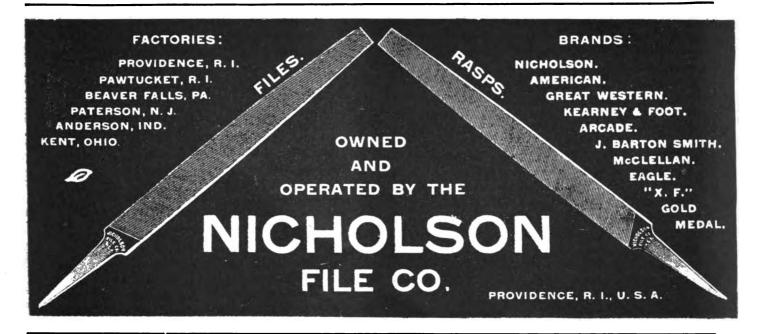
This first day of March has been one of a seasonable sort of days when everybody remains indoors, leaving to itself outside the feature of the day, an incessant downpour of rain, intermingled with strong blasts of wind. This was the weather condition from store opening time in the morning till the middle of the afternoon, when an exceptionally notable change took place and lasted till near midnight. The rain gave way to the wind storm, which so grew by degrees in intensity that by store-closing time, 6 o'clock, it was expanded to the extreme fury measurement of a hurricane, so continuing, with but momentary intermissions till near the midnight hour.

And what has all this to do with the San Francisco Hardware trade? Only this, that the San Francisco Bay was so corrugated with dangerous rolls and swept by violent squalls that the ferry boat service was suspended for the night, and upward of 500 Hardware, stoves and machinery dealers and salesmen, who have their homes over the bay, were compelled to remain in the city all night, many of them dutifully wiring their wives to that effect.

Two of these storm-bound merchants were O. F. Sites, of the Palace Hardware Co., and Henry Gracey, of the stoves and shelf goods firm, Henry Gracey & Co., who are, by the way, president and secretary, respectively, of the California State Retail Hardware Association. And also, by virtue of their office, members of the association's executive committee; they brought the other city members of the executive committee to a rallying point and utilized the stormy night by arranging interesting details and plans incidental to the association's annual meeting, which is to assemble in Marble Hall of the Palace Hotel, in this city, on the 10th and 11th days of this month. Both President Sites and Secretary Gracey express themselves of the belief that this assembly of California Hardware dealers will be a record-breaker, as to attendance, and they predict the consummation of business of vital importance to both the jobbing and retail trades.

On trade outlook and conditions Mr. Sites said: "The Palace Hardware Co. has enjoyed quite a number of notably good trade years, the best of all being that of last year; but judging from the way 1902 has dealt with us the last two years, and the unprecedented number of builders' contracts being signed and under consideration, we feel confident that this year's business with us will greatly exceed that of last."

And this week word was received from John C. White, of Marysville, an agricultural and mining centre of Northern



California. Mr. White is president of the Pacific Retail Hardware Association and prominent in the firm of White, Cooley & Cutts, Hardware dealers of fine and wide repute in Northern California. Mr. White writes that the wet weather conditions up his way are just right for his section of country, and that new crops and mining prospects never looked better, and that like all other California-loving people of the Northern part of the State, he is delighted with the knowledge that Southern California is also getting a good wetting.

INDUSTRIAL PRESS ASSOCIATION.

## Consolidation of Russell & Erwin Mfg. Co. and P. & F. Corbin.

Official announcement has been made that the directors of the P. & F. Corbin Co. and the Russell & Erwin Mfg. Co. of New Britain, Conn., have come to an agreement, which, when ratified by the stockholders of the two companies, will bring about a consolidation of these two great manufacturing interests. The two companies, which have been for years the commercial bulwark of New Britain, have been rivals for the past thirty years, being engaged in practically the same line of manufacturing. Both have been successful, yet on account of the complications of general lines of business it has been thought to be better for the stockholders of both concerns and for the general manufacturing interests of New Britain to consolidate them under one head and one management.

The new company will have ample capital stock, and with the superior producing abilities both companies possess, the new concern will be a potent factor in the Builders' Hardware interests of the country. While the details of the consolidation have not yet been completed, the terms of the agreement will be submitted to the stockholders in a few days by means of a circular letter, and it is expected that the consolidation will be effected by May 1.

Hon. P. Corbin, the head and founder of the P. & F. Corbin Co., is to be the president of the new company. It will be formed somewhat after the pattern of the American Brass Company of Waterbury and the Naugatuck Valley, and will take over the stock of the two concerns. The head-quarters of the new company will be New Britain and the policy will also be determined there. The consolidation is in no sense a trust and there will be no bonds or water in the stock of the new company. The name decided upon is "The American Hardware Co." The Corbin Co. and the Russell & Erwin Co. will maintain their identity as separate organizations and will be managed by directors of the combined corporation.

There have been rumors afloat for some time that something important was pending in the affairs of the two companies, but nothing was given out. A meeting of the leading directors of the two companies was held a few weeks ago, but few people knew what was going on and the announcement came as a surprise.

The capital stock of the P. & F. Corbin Co. is \$500,000, and of the Russell & Erwin Co. \$1,000,000. At the last session of the Legislature both companies obtained authority to increase their capital stock. The stock of the new company will be at least three times that of the present capital of both companies.

The directors and officers of the Russell & Erwin Co. are as follows:

President-George J. Laighton.

Vice-President-Howard S. Hart.

Secretary—Theodore Smith.

Assistant Secretary—Isaac D. Russell.

Treasurer-Edward Meyer.

Directors—William G. Smythe, George J. Laighton, A. J. Sloper, F. L. Hungerford, Daniel R. Howe, Robert W. Parsons, F. P. Wilcox, C. E. Mitchell and Howard S. Hart.

The annual meeting of P. & F. Corbin was held recently and the directors and officers of the corporation are as follows: President and treasurer, Philip Corbin; first vice-president, Andrew Corbin; second vice-president, Charles M. Jarvis; secretary, Charles E. Wetmore; assistant treasurer, Charles H. Parsons; directors, J. P. Talcott, Charles Miller, Charles H. Parsons, Charles E. Wetmore, Charles Glover, Charles M. Jarvis and A. N. Abbe.

The capital stock of the P. & F. Corbin Co. is \$500,000 and the par value of the shares of stock is \$25. Recent quotations in the Hartford stock market have been 107 bid and 115 asked for the shares. At the bid price the half million of stock would bring \$2,140,000 and at the asking price \$2,340,000. The capital of the Russell & Erwin Co. is \$1,000,000 and the par value of each share is \$25. In the Hartford market the recent asking price was 62. At this price the entire capital stock would bring about \$2,250,000. It will be seen that the market value of the total capital stock of both companies is nearly equal. Much of the stock of these companies is owned in this city.

The Russell & Erwin Mfg. Co. was founded in 1839 by Henry E. Russell and Cornelius B. Erwin, who with F. T. Stanley bought out the firm of Stanley, Russell & Co. There were several other partners until January, 1846, when the company was reorganized as "Russell & Erwin," and until 1851, when the title became the Russell & Erwin Mfg. Co.

Its capital stock was \$125,000. The business prospered and the capital was soon increased to \$200,000, and in 1864 to \$500,000. For some years the capital has been \$1,000,000.

In 1853 the firm of P. & F. Corbin was organized as a stock company, the names of the founders being retained and since that time it has enjoyed continuous prosperity. Originally the company made ox-balls for tipping the horns of cattle, window springs, lamp-hooks and kindred products, but soon branched out into the manufacture of certain kinds of bolts, locks, hinges, latches and builders' Hardware.

## New York State Association of Jobbers of Bicycle Supplies.

At a meeting held at the Butterfield House, Utica, on February 26, of the sundry jobbers in bicycle supplies, the following firms were represented:

Sidney B. Robey & Co., Rochester, N. Y.

E. H. Hall Co., Rochester, N. Y.

Albany Iron & Hardware Co., Albany, N. Y.

Union Cycle Co., Utica, N. Y.

Clark, Horrocks & Co., Utica, N. Y.

C. H. Childs & Co., Utica, N. Y.

J. A. Richard & Co., Schenectady, N. Y.

C. B. Barker & Co., New York City.

P. A. Frasse & Co., New York City.

Elmira Arms Co., Elmira, N. Y.

H. R. Olmstead & Co., Syracuse, N. Y.

Spalding & Co., Syracuse, N. Y.

Kelsey & Co., Buffalo, N. Y.

An organization was effected, and the following officers elected:

President—H. L. Hall, of the E. H. Hall Co., Rochester. Vice-President—A. E. Brian, of P. A. Frasse & Co., New York City.

Secretary and Treasurer—Wm. Spalding, of Spalding & Co., Syracuse.

The Executive Committee consists of the following:

H. L. Hall, of E. H. Hall & Co., Rochester.

A. E. Brian, of P. A. Frasse & Co., New York City.

William Spalding, of Spalding & Co., Syracuse.

C. L. Kelsey, of Kelsey & Co., Buffalo.

Harris Parker of C. B. Parker & Co., New York City.

There was also prepared a list of eligible members of the New York State Jobbers, which will be revised and corrected from time to time, so that a complete and accurate list of the New York Jobbers can be had for future reference and consideration. The meeting was a most enthusiastic one and satisfactory from all standpoints, and will be, as was the general opinion, of considerable assistance and value, not only



to the jobbing trade in general and those interested in the jobbing business, but also of assistance in many ways to the manufacturers who deal with the jobbers as well as to the trade in general.

The following list of regrets and assurances of co-operation were received:

Willis Park Row Cycle Co., New York City.

J. S. Leng's Son & Co., New York City.

Wilson Co., New York City.

New York Sporting Goods Co., New York City.

American Cycle Mfg. Co., New York City.

Chas. R. Miller, New York City.

Jos. Straus & Co., Buffalo, N. Y.

#### The New Axe Combination.

The Axe Combination recently formed is said to include the following important manufacturers, representing a capital of \$15,000,000. The American Axe & Tool Co., itself a consolidation of ten or twelve plants, with headquarters in the Postal Telegraph building, New York, and factories in Pittsburgh, Beaver Falls and Lewistown, Fa., and Jamestown, N. Y.; the Kelly Axe Mfg. Co., at Alexandria, Ind., the second largest factory; the Warren Axe & Tool Co., Warren, Pa.; the United States Edge Tool Co., Cattaraugus, N. Y.; the Standard Axe Co., Pa.; the Mann Edge Tool Co., Lewistown, Pa.; Romer Axe Co., Dunkirk, N. Y.

Tommy—Granny, do your specs magnify?

Granny-Oh, yes, Tommy; a little.

Tommy—Then, would you mind taking them off while you cut my cake, please, granny?—Ex.

She.—"Does my new dress give me a good fit?"
He.—"I think it will when you see it in the glass."



# STANLEY RULE & LEVEL CO.

NEW BRITAIN, CONN., U. S. A.

## Improved Carpenters' Tools.

SOLD BY ALL HARDWARE DEALERS.

#### For Conservative Legislation.

Mr. H. M. Atkinson, a New Englander who has identified himself by residence and activity with Southern development, writes in the twentieth anniversary number of the Manufacturers' Record, of Baltimore, urging carefulness in legislation. He says: "The South to-day is in a stage of active growth and development. The laws that may be fitted for older, more settled and more closely populated cities and States will not do for the South to-day. The rights of capital should be guarded, and it should be treated honestly and justly. Nothing will help the South more to-day than the reputation that investments made in the Southern States will be protected. The way to develop a country is to pass laws that mean the protection of capital, and the passage of such laws will mean increase of population and increase of taxable values. The broad view of such questions can only be brought about by education. The broadening of the individual and the teaching of the principles of political economy and municipal government are the needs of the day. This means also the broadening and strengthening of character—that is, the production of men, the word being used in its best sense."

#### Southern Development Only Begun.

"We have increased our coal production from 6,000,000 tons in 1880 to over 50,000,000 last year," says the Manufacturers' Record, of Baltimore, in its twentieth anniversary number, "but we have only opened a small mine here and there, when compared with the extent of territory and of wealth of coal in the great coal area of the South. Twenty years ago the South produced less than 200,000 barrels of oil a year. West Virginia alone is now producing over 15,000,-000 barrels a year, and the extension of this oil field into-Kentucky and Tennessee and into the farther South is every day being emphasized by the boring of new wells; while, turning to the Gulf, Texas has startled the world with an oil supply so far beyond our comprehension that it is almost folly to attempt to predict what may be its influence in revolutionizing many of the industries of Europe as well as of America. But the statistics which tell the story in cold figures of what has been accomplished, and tell how our pigiron production has grown from less than 400,000 tons to 2,600,000 tons, our cotton mill capital from \$21,000,000 to \$150,000,000, our total manufacturing capital from \$250,-000,000 to \$1,100,000,000, our exports through Southern ports from \$261,000,000 to \$510,000,000, tell us really but a small part of the work which has been accomplished."

# TO SUPERSEDE EMERY

## CRAIG MINE



# CRYSTAL CORUNDUM

Why buy iron ore for abrasive purposes? Emery is 70 per cent. oxide of iron, combined alumina, etc., and only 30 per cent. corundum. Try it with a magnet and see for yourself. The 70 per cent. rubs and burns, only the 30 per cent. (the corundum) cuts and polishes. Craig Mine Crystal Corundum is 98 per cent. pure. The 98 per cent. cuts and polishes.

#### WHAT CONSUMERS SAY ABOUT IT.

THE MONARCH EMERY & CORUNDUM WHEEL CO., Camden, N. J.—"We enclose you an order for a car load of Craig Mine Crystal Corundum and trust you will see that it reaches us without delay. Now that we are accustomed to using it. we frankly admit all that you claim for it. Reports from our customers show them to have formed the same high opinion of it."

THE HART EMERY WHEEL CO., Hamilton, Ontarlo.—"You ask us for an opinion of Craig Mine Crystal Corundum and our experience in its use. Our opinion has never varied Craig Mine Crystal Corundum is the supplanter of emery as material for making abrasive wheels."

VERITY PLOW CO., LTD., Brantford, Ont.—"We would say the Craig Mine Crystal Corundum we received for polishing purposes was very satisfactory and very much superior to the emery that we had been using before. We found that we could polish at least two plows more with the same buff than we could with emery."

WRITE FOR FURTHER TESTIMONIALS.

THE CANADA CORUNDUM CO., LIMITED, SEND US TRIAL ORDER. TORONTO. OANADA.

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#### The Triumph Adjustable Stove Pipe



any other pipe on the market:

BECAUSE—It is easy to put up or take down.

Needs no wiring.

When in place is stronger than one continuous

piece. Can be nested in small bundles.



Send for Catalogue and Prices.

The Triumph Adjustable Steve Pipe Co., JOLIET, ILL.



DVERTISING is very much like farming. The trade paper is the soil, the advertisements the seed, and the orders your harvest. To reap a bountiful harvest you must not only have good soil and good seed, but you must cultivate the crop. So with advertising. The best media cannot bring big results unless you take care of your space.



(EVERY ONE WARRANTED.)



On the market over 25 years and a large demand has been created by our advertising Sows all kinds of grain and grass seed, Is Strong and Durable. Possesses many points of merit.

Ask for complete description.

Champien Seeder Co., URBANA, IND.

DAVID MAYDOLE HAMMER Co., Norwich, N. Y. catalogue of Maydole Hammers, elegantly illustrated, being lithographed throughout in natural colors, both hammer and handle; the cuts are shown in many cases in full size. The contents include a full line of Adz Eye Nail Hammers, round, bell face and octagon, also with straight claw; Joiners' Nail Hammers, either round, bell face or octagon; Farriers' Adz Eye Driving Hammers, round and octagon; also in Boston and California patterns; Farriers' Adz Eye Driving Hammers, Whaleback Claw Hammers, in the several Included in the contents are Horseshapes; also plain eye.

shoers' Rounding, Turning and Fitting Hammers; t Ironers' Hand Hammers, Blacksmith's Hand Hammers, both wedge and shoulder pein; Machinists' Ball Pein, etc. This is one of the most complete Hammer catalogues that has come to our notice. The weights in every case are given without including weight of handle. Each particular pattern of Hammer has an arbitrary number with list prices, making it unnecessary to send description, and enabling the factory to fill orders with ease. Quite a number of new styles and patterns are included in this catalogue that are not yet familiar to the entire trade, and yet will no doubt meet with a ready sale when introduced.



99999

#### THE "KING" FLY KILLER

Size 5 x 18 inches

Size 5 x 18 inches

Kills flies without crushing. Every live dealer should have it in stock. They sell like hot cakes. The wire netting being almost invisible flies do not see it. Its strike makes no breeze to blow them away, so they are easily and quickly killed. and has the elasticity of a whip. Send for circular

R. R. MONTGOMERY & CO., Decatur, Ill.

We make a specialty of making to order only, a superior quality of Cast Steel Wire Springs, either for extension or compression.

These Springs are all oil tempered and are made of an extra quality of wire drawn specially for our own use, of the same grade of stock as we use for the Springs that we put in our Spring Scales.

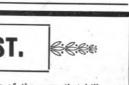


JOHN CHATILLON & SONS. 85 to 93 Cliff St. and No. 13 Jacob St.,

Established 1835.

**New York City** 





#### DEATH DEALING

Dust is the transmitter of the germ that kills—no ust, no germ. If you want dustless sweeping use

THE WORLD'S ONLY Sanitary Dustless Floor Brush.

Saves money, saves time, saves lives. Representative

WYMAN, PARTRIDGE & CO., Agents,

MINNEAPOLIS, MINN.

8 W SERVOIR

MILWAUKEE DUSTLESS BRUSH CO..

123 Sycamore St., MILWAUKEE, WIS.



#### ...LIGHT. Save 80% of your light bill MAKE A GOOD DISPLAY

Search - Light Vapor Lamps

Get rich and be happy
List and Terms upon Request
175 E. Division St., Chicago, Ill.

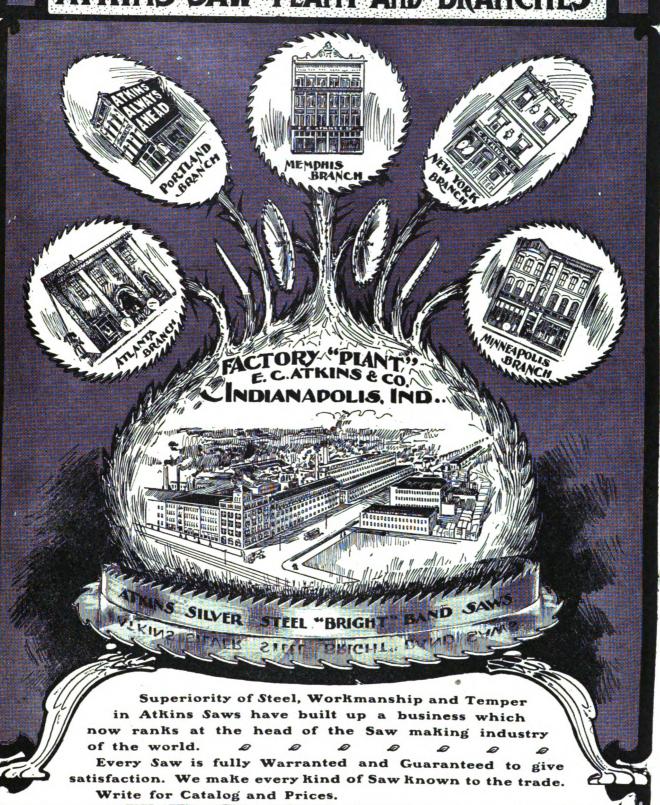
#### Standard Self-Melting, Self-Sealing Wax Strings



C. C. FOUTS

ing wax made for all kinds of fruit cans. Veryadhesiveandeconomical. For sample and price to the trade, address the sole agent for the United States Middletown, O.







HOME OFFICE INDIANAPOLIS

Brangh Houses New York GITY, 64 READE STREET MEMPAIS, TENN. MINNEAPOLIS MINN ATLANTA, GA. PORTLAND. ORE Largest and best equipped factory in the South for the manufacture of

## IRONS

COUNTRY HOLLOW WARE. ETC. :

CAST IRON SINKS AND PLAIN GRATES

We are leaders in this line. Catalogue on application.





Full and light capacity. : :

PLAIN AND GROUND STOVE HOL-LOW WARE





## BLACKLOCK FOUNDRY,

SOUTH PITTSBURG, TENN.



### AMERICAN BUTTON

MADE FROM GOOD QUALITY SHEET STEEL, FULLY WARRANTED. STRONG, DURABLE AND CHEAP. MADE IN 6, 8 AND 10 INCH.

## FARMERS' CHOICE PLIER.

THIS PLIER HAS OUR STAPLE PULLER ON ONE SIDE AND CRONK CUTTING PLIER ON OPPOSITE SIDE, ALSO ONE BUTTON CUTTER

AND A WIRE SPLICING CLAMP.
IT IS MADE FROM FORGED TOOL STEEL AND THEY ARE FULLY WARRANTED.

REVERSE SIDE

WRITE FOR CATALOGUE SHOWING FULL LINE OF PLIERS AND OTHER GOODS.

CRONK & CARRIER MFG. CO., ELMIRA, N. Y.

## LOGAN GREGG HARDWARE CO. **PITTSBURG**

LARGE STOCK LOW PRICES CAREFUL ATTENTION QUICK SHIPMENT

OUR AIM

To conduct our business as Wholesale Distributors of Hardware so that both Manufacturer and Retail Merchant shall recognize the value of our service.

# implicity. Is it wise to experis BICYCLE G & J TIRE CO., Indianapolis, Ind.

## IWANS' CHAMPION DRAIN CLEANERS.

The most convenient and substantial tools on the market for finishing tile ditches. Adapted to all sizes of drain tile. Made in two styles, Adjustable and Stationary, and six sizes, fron 3 to 8 inches.



#### FOR SALE BY JOBBING TRADE.

When ordering Drain Cleaners from your jobber insist on getting "IWANS" if you want the best.

For illustrated circulars of our Post Hole Augers and Diggers, Hay Knives, Revolving Chimney Tops, Conductor Pipe Hangers, etc., Address

WAN BROS.,

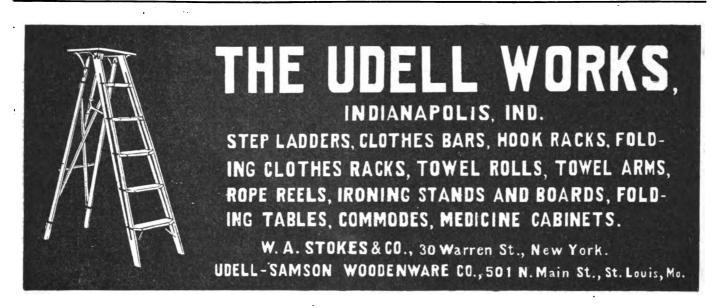
Streator, Ill.

## Some Men Pay

\$10,000 for an expert their advertising. There are others who \$5.00 for an annual subscription to Printers' Ink and learn what all the advertisers are thinking about. But even these are not the extremes reached. There are men who lose over \$100,000 a year by doing neither one.

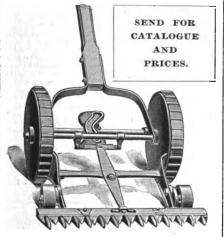
PRINTERS' INK, No. 10 Sprace St., New York City.

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#### THE MOWER

That will Kill all the Weeds in your Lawns. If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders of roots the grass will become thick and weeds will disappear. The Clipper will do it.



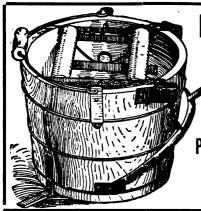
CLIPPER LAWN MOWER CO.,

(INCORPORATED)
NORRISTOWN, PA.





PHILADELPHIA, PA.



## MOP WRINGER and PAIL COMPLETE

Patented June 16th, 1896.

Best Cedar Pails, Seasoned Maple Rolls, Solid Brass Springs, Steel Chain and Side Bars, Wrought Iron Footholds and Levers Cast Iron Pulleys. All put together with screws. Rolls are inside of pail, allowing no water to splash on floor when wringing mop.

Practical, Strong, [Neat. WRITE FOR PRISES. MANUFACTURED BY

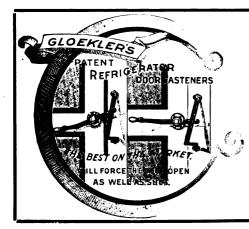
BEECH NOVELTY Co.,

MANSFIELD, OHIO, U. S. A.

# CASH Register Paper Of all kinds, Quality Best, Prices Guaranteed. Send for Price List.

If in need of a Cash Register, address

STANDARD CASH REGISTER CO., WABASH. IND.



#### **WORKS BOTH WAYS**

Fastens the door shut or forces it Operates on inside or outopen. Operates on inside or outside and on right or left hand doors. Malleable iron, tinned or nickel plated. Also polished brass or brass nickel plated.

MADE IN 5 SIZES.

Ask for Catalogue and Prices.

BERNARD GLOEKLER. PITT8BURGH, PA.



NATIONAL STEEL JOIST HANGER. FOR WOOD HEADER AND BRICK WALLS.

THE NATIONAL IRON & WIRE CO..

Structural and Builders'

Sole Makers, CLEVELAND, O.

CHANDLER & BARBER, F. B. HAWKINS CO., PALACE HARDWARE CO., Now England Agents, Boston, Mass.

New York Agents, New York, N. Y.

Pacific Coast Agent San Francisco, Cal.



DO YOU WANT A GOOD THING?

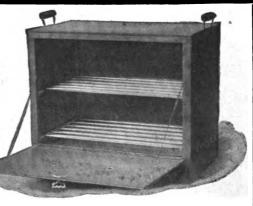
In other words if you want to give your customers BEST VALUE in OVENS

BUY THE TROY

Bake quickly, perfectly, and evenly on both top and hottom.

Before placing your oven order write us for particulars and prices. It will pay

ROYAL POLISHED STEEL ROASTER CO., TROY, O.





## THE JERSEY CREAM

SEPARATES cream from milk in less than one hour. It is simple, practical, and a ready seller.

WE SELL TO DEALERS ONLY.

Write for descriptive Circular and Prices.

... THE ...

GALESBURG CORNICE WORKS. GALESBURG, ILLINOIS.



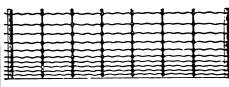
## Tinners all like 'em.

VES, they all like the Powers Automatic Chimney Top.
They make chimneya and stoves draw astisfactorily. They create demand for Gal. Iron smoke stacks, give employment to Tisners and profit to all. Cover is easiest made and most effective. Wind blowing past cover makes a vacuum, causing strong up-draft.
Architects specify them, Tinners all prefer them, Dealers sell them, Powers sell iron Mountings, Tinners do the rest.

Sole makers, STREATOR, ILL.

POWERS BROS., Sole makers, STREATOR, ILL.





A Complete Line of Plain, Coiled or Ornamental Fences, Cates and Poultry Netting.

All kinds of WIRE at lowest prices. Goods Standard the World Over.

THE JONES NATIONAL FENCE COMPANY. COLUMBUS, OHIO.

THE SCHWERDTLE STAMP CO., Stencils, Burning Brands, Steel Stamps as Dies, Seals, Machinery Plates, Checks. BRIDGEPORT, CONN.



### The GLACIER Refrigerator



for this fine Glacter, 28 in. wide, 17 in. deep, 42 in. high, holds 30 bs. of ice. Ash frame with figured golden oak panel, sliding adjustable shelves, zinc lined; insulated with best mi neral wool; spring hinges, sirtight lock: cleanable; dry air; scientific.

SUP ERIOR to other makes in many ways. The major should be shelves, in many ways. The major should be shelved to give a first way. The major should be shelved, a of air, space scientifically growood, z of air space scientifically arranged. Mineral wool, z of sir space scientifically arranged. Mineral wool resembles glass shavings, and furnace slag, odorless and informace slag, odorless and in-

sembles glass shavings, and is on per cent. air, and 8 per cent. blast firmace slag, odordess and indestructible. The air in provision chamber is drier and colder than in any other make. They are the most easily cleaned, and all air passages can be got at quickly—kept pure by an occasional washing. We sell our Glacier Refrigerators with a guarantee that they are perfectly satisfactory. Shipped freight paid to towns where we have no dealer. Rast of Omaha and North of Tennessee. We have made refrigerators for 26 years and know how. Prices from \$7.75 to \$40.00. Write for free catalogue and booklet—"A Machine, Nota Box."

NORTHERN REFRIGERATOR CO.,

## THE ICE CROP IS GOOD

Your sales of

## REFRIGERATORS

will also be good if you handle

## THE GLACIER.

This advertisement appears in all the popular magazines and inquiries are referred direct to our dealers.

We not only furnish you the best and handsomest Refrigerators we not only turnish you the best and handsomest Refrigerators in the world, but we help you to sell them by our liberal advertising. We also furnish you with colored circulars, electrotypes, window signs, wall sections, small catalogues and a booklet on the care of Refrigerators which will please your customers. Refrigerators made in Grand Rapids will sell better than if made elsewhere. LET US HELP YOU SELL REFRIGERATORS. Write us.

## NORTHERN REFRIGERATOR CO.,

GRAND RAPIDS, MICH.

#### The Pero Hone Strop.

A PERFECT STROP FOR MEN WHO SHAVE THEMSELVES.

Something Entirely new and that you can recommend. The result of 20 years experimenting by an expert barber. Lasts a lifetime. Pays a Liberal Profit and money refunded if not satisfactory. Write for full particulars and testimonials.

J. H. PERO, - 237 N. Clark St., CHICAGO.

#### THE HOME SHARPENER.



An emery wheel. Fits all sewing machines. For sharp-ening scissors, knives, etc. Strong and durable.

DISPLAY STAND GIVEN FREE TO DEALERS. Write for prices, etc.

BULLOCK MFG. CO., 56 5th Ave., Chicago, Ill

#### SOMETHING NEW "STANDARD" BALL-BEARING PHILADELPHIA CASTERS.

Samples and Catalogue free.

Standard Caster & Wheel Co., 312-326 East 23d St., New York.



## NEW CLIPPING MACHINE.

'Stewart's Patent'' Cut Gear Machine.

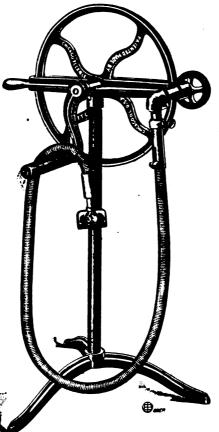
## A Revolutien in **Clipping Machine** Construction.

BELTLESS. CHAINLESS, NOISELESS.

Horsemen on both sides of the Atlantic pronounce it the "Best Ever."

Awarded Highest Award, Silver Medal, at the Pan-American Exposition.

Unlike any other Machine. It can be turned with the left as well as the right hand.



Surprisingly SIMPLE. STRONG. DURABLE.

It don't cost much. List price,

**=\$10.**75===

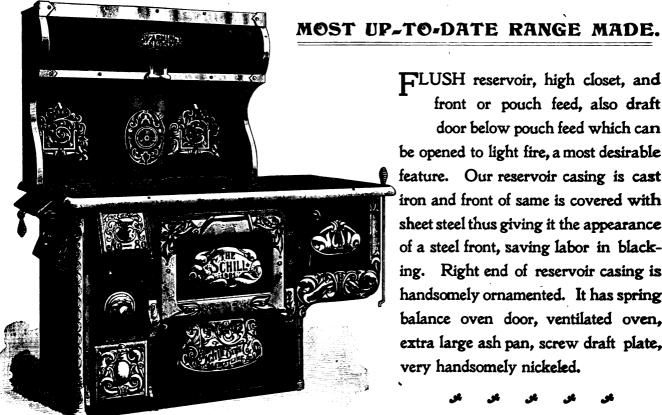
The season for clipping horses is now at hand. Write us today for discounts and descriptive catalog.

We are pretty nearly "the whole business" on these goods.

Remember, that we make the Stewart Sheep Shearing Machine. The only successful hand power sheep shearing machine on the market.

CHICAGO FLEXIBLE SHAFT CO., COT. LA SALLE AVE. and ONTARIO ST., CHICAGO, ILL., U.S. A. New York Office, 97 Chambers St, London Office and Warehouse, 6 Denman St., S. E.

## THE NEW SCHILL RANGE.



LUSH reservoir, high closet, and front or pouch feed, also draft door below pouch feed which can be opened to light fire, a most desirable feature. Our reservoir casing is cast iron and front of same is covered with sheet steel thus giving it the appearance of a steel front, saving labor in blacking. Right end of reservoir casing is handsomely ornamented. It has spring balance oven door, ventilated oven, extra large ash pan, screw draft plate, very handsomely nickeled.

THE SCHILL BROS. CO., Crestline. O.

We purchased at Sale, 7000 bales, hexagon Poultry Netting, Galvanized. It is all put up 150 ft. to the bale, and is in GOOD CONDITION.

NOTE OUR PRICES:

| 2-INCH MESH. |               |      |      |      |      |      |      |        | INCE | I ME | 1-INCH MESH.  |        |      |      |
|--------------|---------------|------|------|------|------|------|------|--------|------|------|---------------|--------|------|------|
| Wire<br>No.  | 20            | 19   | 18   | 17   | 16   | 15   | 14   | 20     | 19   | 18   | 17            | 20     | 19   | 18   |
|              | <b>8</b> 0.45 | 0.50 | 0.65 | 0.90 | 1.10 | 1.50 | 1.90 | \$0.60 | 0.70 | 0.90 | 1.45          | \$1.10 | 1.25 | 1.50 |
| 18           | ·             | . 75 | .98  |      |      |      | 2.85 | ·      | 1.05 | `    |               |        | 1.88 | 2.25 |
| 24           |               | 1.00 |      | 1.80 |      | 8.00 |      |        | 1.40 | 1.80 |               | 2.20   |      |      |
| 80           |               | 1.25 |      | 2.35 |      | 3.75 | 4.75 | !      | 1.75 |      | 8. <b>6</b> 8 |        | 8.18 | 4.25 |
| 86           | 1.85          | 1.50 |      |      |      | 4.50 | 5.70 |        | 2.10 | 2.70 |               | 3.30   | 3.75 | 4.50 |
| 42           | 1.60          | 1.75 |      | 3.15 |      | 5.25 | 6.65 | ·      |      |      | 5.08          | 3.85   |      |      |
| 48           | 1.80          |      | 2.60 | 8.60 |      | 6.00 | 7.60 |        | 2.80 | 3.60 | 5.80          | 4.40   | 5.00 | 6.00 |
| 54           | 2.00          | 2.25 |      |      |      |      |      | 1      |      |      | 6.53          |        | 5.68 |      |
| 60           |               |      |      |      | 5.50 |      |      |        | 8.50 |      |               | 5.50   |      |      |
| 66           | 2.50          |      |      |      |      |      |      | 8.30   |      |      |               |        |      |      |
| 72           |               |      |      |      | 6.60 |      |      |        | 4.20 |      |               | 6.60   | 7.50 | 9.00 |

Prices are per bale of 150 ft.

Sizes without prices mentioned are all sold out.

Terms, Net Cash F. O. B. Chicago for immediate acceptance only.

When you are in want of bargains write for our confidential CATALOGUE No. 357.

CHICAGO HOUSE WRECKING CO., West 35th & Iron Sts., CHICAGO.

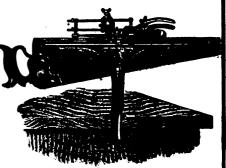


#### IMHAUSER'S Watchman's Time Detectors That Cannot Fail.

Made with 12 or 24 different keys. Contain all the modern improvements. Warranted in every way. Cannot be tampered with, without detection. Manufactured by

IMHAUSER & CO., 206 Broadway, New York

## The Sterling Saw Set



Why? Because it will do what no mortal can accomplish.

What? It will accurately file, set and joint a saw.

When? When used by man, woman, boy or girl—old or young. Where? Any place you want to

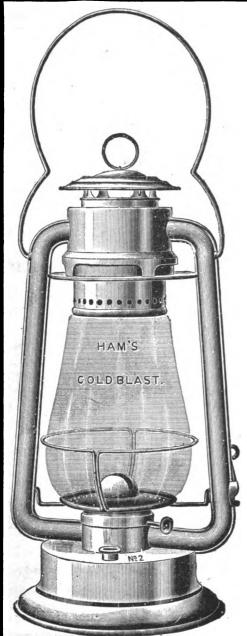
Price, 18 in. \$3.00, 24 in. \$5.00

Sent to any address, express paid.

STERLING WRENCH CO. Rockford, III.



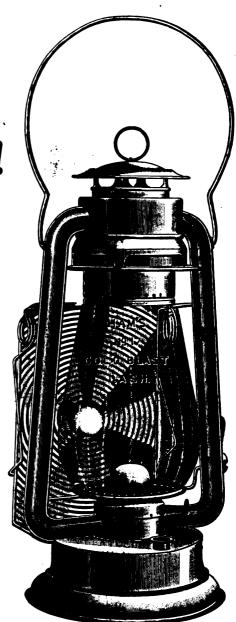




## Our Two Leaders!

\*\*\*\*

They are the most popular Lantern and Dash Lamp on the market because they give more light than any two of the common Lanterns. Never blow out or smoke in the strongest winds. Are finely finished and never fail to please.



Try Them!

Our "Gem" Tin Cold Blast Lantern and Dash Lamps

HAM'S
GEM
COLD BLAST.

are a Reproduction of Above in a Small Size and they Have no Equal in Small Lanterns.

"Gem" Tin Cold Blast Dash Lamp.



They are Perfect in their burning qualities, and the light produced is stronger and brighter than the light produced by any Lantern using a 5-8 inch wick.

Splendid burning and will not blow out or smoke.



C.T.HAM MANUFACTURING CO.

— Rochester, New York. —

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Our output to July 1st, 1902, is entirely sold. This is so because those who have handled them know that

## Porter Screens are the

If you want Porter Fly Screens for the coming season, order from your jobber before his stock is gone.

Accept no substitutes. There are none others "just as good."

PORTER SCREEN MFG. CO.,

Burlington, Vt.

MARCH 10, 1902.

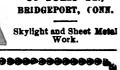


52

#### THE DROUVE **YENTILATOR**

The best and cheapest Ventilator on the market. Made in all sizes. Send for catalogue and prices.

THE O.DROUVE CO. 30 TULIP ST.,





action and stops it at once at the center. It goes in the floor under the door.

Made in 6 Sizes.

Established 1836.

### ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York. Importers of

## HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

IOSEPH RODGERS & SONS, LIMITED,
PEUGEOT FRERES,
COATES CLIPPER MFG. CO.
ELEY BROS., LIMITED,
L. HUGONIOT TISSOT,
ISAAC GREAVES,
W. K. & C. PEACE,
R. & I. LINACRE,
WEBSTER & HORSFALL,

ISAAC GREAVES,
WEBSTER & HORSFALL,

PIANO AND STEEL WIRE OF ALL

CAPS, WADS, CARTRIDGE CASES, ETC.
PINE FRENCH PLYERS AND OTHER SMALL TOOLS.
SHEEP AND GARDEN SHEARS.
GRASS HOOKS, SCYTHES AND STRAW KNIVES.
GRASS HOOKS, SICKLES, ETC.
PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of the following brands of Cutlery. Alfred Field & Co., Parker & Field, Progress, Criterion, Branford Cutlery Co., Com tinental Cutlery Co., Waltham Cutlery Co., Alexander Frazer & Co., Jones & Co.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852

**KEYSTONE** 

MANUFACTURERS

PHILADELPHIA

Tools, Cutlery and Springs.

CREWDRIVERS OF ALL KINDS

Something

Free

Sample

SEND FOR CATALOGUE

Every One

Guaranteed

WRITE

**FOR** 

PRICE

Two Styles

Round

and Square

For Butler's Pantry Doors and all other Swing Doors the "BARDSLEY"

## CHECKING SPRING HINGE

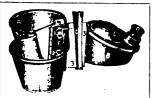
is unequaled. It closes the door with a soft, gentle and noiseless

CATALOGUE FREE.

JOSEPH BARDSLEY, 147 to 151 Baxter St. <del>99999999999999999999</del>8

New **BOILER HANDLE** THE HICHEST IN QUALITY Send for BERGER BROS. CC.

## WE LEAD WITH THE IMPROVED DEWEY STOCK WATERER.



Mention "HARDWARE,"

Our Improved Dewey has worked itself into the Hardware trade and this season all Hardware dealers will handle it.

Notice the word IMPROYED. Perfect in every detail. Thousands more sold than all others combined. Quick shipments, one price to all and cheaper than ever. We never sell to catalogue houses. Write us for terms and circulars. We also make a LARD and FRUIT PRESS and a LATHE DISC SHARPENER.

THE B-B MFG. CO., Davenport, Iowa.



SE your ice cream freezer more and your stove less. You will be more comfortable in summer if less time is spent over a hot stove. It pays in the time saved and in comfort. Part of the meal must be cooked, but part may be frozen. It takes less time to freeze than it does to cook—if you use the

# Peerless Iceland Freezer

Or the One Motion Freezer

Three minutes is the freezing time. Ice cream, ices, frozen fruits and puddings are more wholesome and delicious than any other dessert, especially in summer. The only expense is the materials, which you have in the house. Patented Dasher makes one motion enough, and the Peerless Iceland the simplest, most economical and best freezer for you to get. "ICE CREAM SECRETS" (free) gives many new recipes as well as all the good old standbys, all easy to make.

To Remove all doubt: If you've never made ice cream at home, or if you have leaden drom your dealer take it home, and if not perfectly pleased, return it, and dealer will refund your money. If your dealer hasn't it, he can get it; or write us and we will see that you are supplied Be sure and get a Peerless Iceland Easily recognized from above photograph; notice label.

DANA & CO., Dept A, Cincinnati, Ohio.

The Peerless Ice Chipper to chip ice properly, saves ice, time and hands. 25c at all dealers or from us.

# Your Customers will see it.

This is another of a series of advertisements which will appear in all the leading magazines and ladies' papers this Spring and Summer. All of your women customers take one or more of these publications. Don't you want to have your store identified with the very best advertising?

Order Peerless Iceland Freezers and Peerless Ice Chippers from your jobber early so that he can put you in touch with our advertising department. If yours doesn't handle them, see one who does, or write us and we will see that you are supplied.

DANA & CO., Cincinnati. San Francisco: 105 Front St. New York: 10 Warren St.

## HARDWARE DEALERS' RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

#### Incorporations, New Stores, etc.

Canyon, Tex.-Donohoo-Ware Hardware Co. has been incorporated; capital stock, \$25,000. Incorporated by J. N. Donohoo, Carl Donohoo and Richard C. Ware.

Celeste, Tex.-Henslee Hardware and Furniture Co. has been incorporated; capital stock, \$10,000. Incorporated by G. W. Strong and La Page has been dissolved by Henslee, G. K. Cheatham, D. A. Turney and others.

Clarksville, Tex.-R. S. Moore & Co. has been incorporated; capital stock, \$20,000. Purpose to transact a Hardware and implement business. Incorporators, R. S. Moore, Frank Owens, Jr., and D. V. Moore.

Cohocton, N. Y.-Peck & Mack Co. has been incorporated, to deal in Hardware. Smith buying out his partner, W. R. Becker. Capital, \$15,000. Directors: F. B. Peck, of Cohocton, and H. B. Mack and Benjamin Welland, of New York city.

Co. has been incorporated. Capital, \$16,000, and directors, F. D. Smith, Jennie K. Smith and R. B. Stone of Cortland.

Crafton, Pa.—Thomas J. Silk has opened a first-class Hardware store in his building at the corner of White and Noble his Hardware store to George Munce, of Avenues.

Geneva, Neb.—Articles of incorporation of W. L. Spear & Co. have been recorded. ing firm of Borneman & Doll has dissolved The stock subscribed amounts to \$10,000, and the incorporators are W. L. Spear, J. A. Spear and R. W. Laing. The company health, and Herman Borneman, Sr., continwill deal in general Hardware.

Essex, Iowa.—Malony-Bezner Hardware Co. has been incorporated; capital, \$20,000. Incorporators, N. L. Malony, L. H. Bezner and Leonard A. Crane.

now being purchased for it. Saunders & O'Donald of Gainesville are the proprietors.

Lincoln, Neb.—The Humphrey Co. has been incorporated; capital stock, \$30,000. W. S. Rogers & Son, recently sold to Seed ruptcy. Liabilities, \$4,300; assets, \$2,500. Incorporators, Sarah M. Humphrey, Julia & Spackman, has been purchased by T. K. A. Herrick and Cora H. Wheeler; for deal- Pool. ing in retail and wholesale Hardware.

Decatur, have opened a Hardware store nership, S. N. Greiner and B. F. Torrance been appointed receiver for the South Main here with J. A. Troxell manager.

St. Mary's, Kan.-The True Hardware Co. has been chartered. It is organized with a capital stock of \$5,000. The company proposes to do a retail Hardware business.

Wagoner, I. T.-Wagoner Hardware Co. has been incorporated, with a capital stock T. A. Parkinson of Wagoner, president; C. A. Parkinson of Wagoner, secretary.

of Westerly, and Amos E. Burdick of Ston- solved by the death of Real Angers, and the liabilities amount to \$17,000 and it is beington, Conn., have filed articles with the firm is now composed of George Washing- lieved that the assets will pay the indebted-Secretary of State incorporating the C. W. ton Eadie and Edward Archibald.

Willard Hardware Co. The amount of the capital stock is \$15,000.

granted the Whiteville Mercantile and similar business in the Drennan block. Hardware Co., with \$20,000 capital stock. The incorporators are Thomas Polk, S. N.

#### Changes.

Baldwin, Wis.-The Hardware firm of mutual consent. Mr. La Page will retire from the firm.

Calais, Me.—The Hardware business of Chase, Barker & Co., established more than the interest of his partner in the Hardware half a century ago by D. K. Chase, has been firm of Routson & Emrick, and the business purchased by George H. Eaton.

Camden, N. Y.—The Hardware firm of Smith & Becker has been dissolved, Mr. The business in the future will be conducted by L. P. Smith.

De Smet, S. D.—The Hardware firm of tral Avenue. Cortland, N. Y.-F. D. Smith Hardware E. H. Couse & Co. has changed to Miller &

> Dundee, N. Y .-- J. W. Porter has purchased half interest in the Hardware business of Guy G. Ovenshire of this village.

> Elba, N. Y.-Albert L. Turner has sold Oakfield.

Elkhart, Ind.—The Hardware and plumbpartnership, after many years' association, George Doll retiring on account of illuing the business, in connection with his sons—Herman, Jr., and Edward.

Goshen, N. Y.—The firm of Corwin & Kniffin has been dissolved and a new firm created. The old firm was composed of \$175-Jacksonville, Fla.-Jacksonville is to have Jason W. Corwin and Wm. Kniffin, and the another Hardware store, and the goods are new firm consists of William Kniffin and E. A. Hopkins, wholesale and retail dealers in Hardware, etc.

Glencoe, Ont.—The Hardware business of

Hastings, Minn.—The Johnson & Greiner Rhome, Tex.-J. D. Penninger & Co., of Co., Hardware dealers, have dissolved partbusiness.

> Mahomet, Ill.—Fred Scott has bought the Hardware store of E. J. Rising.

Milnor, N. D.-A. A. Newgard, of New Richland, Minn., has purchased a half interest in Ole Hanson's Hardware store.

Montreal, Can.-A change in one of the is noted in the case of Frothingham & nership which heretofore existed between and his assets at \$5,754. Westerly, R. I.-Charles W. Willard, George Washington Eadie, Edward Archi-

Perth, Ont.-Henry Taylor, Hardware merchant, has sold his business on Gore Whiteville, Tenn.—A charter has been Street to Rogers & Nicoll, who conduct a

Peterborough, Ont.-The well known Hardware business conducted under the Duncan, W. H. Crowder, T. B. Smith, H. firm name of Micks & Co., has been dis-W. Lepsky, E. E. Wilkes and J. W. Wilkes. solved, A. E. Micks retiring from the business, which will be conducted by W. R. G. Higgins.

Sac City, Iowa.-W. S. Young has purchased the E. McMillen & Co.'s large stock of Hardware, and the same is now being

Troy, Ohio.-F. O. Routson has bought will in future be conducted under his name.

#### Recent Fires.

Carl Junction, Mo.-Wolfrum & Shupert. Loss, \$5,000; insurance, \$1,500.

Jersey City, N. J .-- C. A. Davis, 591 Cen-

Lewiston, Ida.—Cash Hardware store. Lynchburg, O.-J. E. Crulport.

Rockport, Mo.-Geo. S. Bischofaud & Sons. Insured.

Sewickley, Pa.—Albert Abercrombie.

Ste. Cunegonde, Can.—Louis Couillard. Loss, \$6,000; small insurance.

Toledo, O.-Mertes & Krupp. Partially insured.

#### Burglaries.

Champlain, N. Y.—Dunning & Dickinson, cutlery, etc.

El Reno, O. T .- Bonebrake's Hardware store. Revolvers.

Macungie, Pa.—Aaron Weinburger. Loss.

Madison, Wis.—Sumner & Morris. Loss,

Milwaukee, Wis.-L. Loewe. Loss, \$170. Trenton, N. J.-Joseph A. Scott.

#### Embarrassments.

Cadiz, Ky.-Thomas H. Gaines, a Hardware merchant, has filed a petition in bank-

Cleburne, Tex.-G. B. Randle, dealer in Hardware and implements, has made an assignment.

Elmira, N. Y.-Harry G. Ferguson has retiring. A. L. Johnson will continue the Street Hardware firm of Darmstadt & John-

> Fredericton, N. B.—The stock of Gus Tweedale & Co., Hardware merchants, has been seized by Sheriff Sterling, under an execution at the suit of Judge Gregory. The amount involved was about \$2,000.

Grand Island, Neb .- Albert H. Roser, of \$30,000. The members of the firm are oldest and most prominent commercial firms one of the leading Hardware merchants of Grand Island, has filed a petition in bank-W. Turner of Muskogee, vice president; F. Workman, Hardware merchants. The part- ruptcy. He schedules his debts at \$10,339

Shawnee, O. T.-The Shawnee Hardware Minnie P. Willard and Edward Congdon bald and of the late Real Angers, was dis- Company is in charge of a receiver. The ness.



WEARING BODY

WHEN YOU SEE

# WARISIES

Bearing this label

You may be sur

they are the best made.

CARRIAGE VARNISHES,

RAILWAY VARNISHES,

PIANO VARNISHES.

WOOD FINISHES

VARNISHES AND JAPANS OF ALL GRADES, AND FOR EVERY USE KNOWN.

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FACTORY & MAIN OFFICE, DETROIT.

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# KNIVES

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Send for Illustrated Catalogue of Full Line.

BENNINGTON, N. H.

C. J. KIMBALL CO.,

T HAUSSHALD WESTSCHOOL

IT SELLS ON SIGHT!

Da

For Sale at All Up-to-Date Hardware Stores.

Price, \$1.00

Complete with Ladies' and Men's Lasts.

Liberal Discount to the Trade.

A HOUSEHOLD NECESSITY!

THE

# Dandy Shiner

LIGHTEST! NEATEST! MOST PRACTICAL!

And the only rigid Shoe-holder.

It holds any size shoe perfectly rigid while being cleaned and polished with cloth or brush. High friction polish cannot be obtained by bending over the old blacking box.

The Dandy Shiner fills the bill. Has two lasts-men's and women's; can be re-

moved quickly when not in use; it is a splendid shoe stretcher; it is nickel plated; it is a household necessity.

The Dandy Shiner Co.,

87 Quincy Street,

SPRINGFIELD, MASS.

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## HARDWARE MANUFACTURERS' RECORD.

are requested to contribute to this page. News of new factories or companies, changes, improvements, etc., will be gladly received, and promptly published.

#### New Incorporations, Etc.

Augusta, Me.—The Williamsport Paint Works Co. has been organized for the purpose of manufacturing and selling paints, with \$1,000 capital stock. The officers are: President, F. L. Dutton of Augusta; treasurer, M. B. Ward of Augusta.

Chicago, Ill.—Chicago Nut Co. has been incorporated; capital stock. \$25,000. Incorporators, Albert G. Bagley, Walter C. Yeatam and Charles F. Messinger.

Detroit, Mich.-The H. S. Earle Manufacturing Co. has been organized with \$50,-000 capital, to manufacture Hardware specialties.

Dover, Del.—A charter has been granted to the Mason Heater Co., a Bellaire, O., ranges; capital stock, \$100,000.

Erie, Pa.—The recently organized Williams Tool Co. have closed a deal for the purchase of the buildings and grounds formerly used by the Erie Pail Factory on West Twelfth street. It is understood that the consideration was \$22,000.

Frankton, Ind.—C. J. Grissmer, James Broderick and John Adams, Jr., have formed a company for the purpose of manufacturing farm and lawn fences, and will incorporate for \$15,000. John Dwiggins, until recently the manager of the Dwiggins Wire Fence Co. of Anderson, also is connected with the company, which is pushing matters in order to get the factory in operation during the coming spring.

Holland, Mich.—The Western Machine Tool Works has been organized, for the manufacture of iron, steel and wood working machinery; capital stock, \$25,000.

New York, N. Y.-Lavett Lamp Manufacturing Co. has been incorporated; capital, \$25,000. Directors, Norman G. Johnson, G. S. Brantingham and S. H. Ashe of New York city, and B. A. Cruden of Bayonne, N. J.

New York, N. Y.—The International Box Hinging Machine Co. has been incorporated with a capital of \$1,000,000. The directors are: A. N. Benjamin, E. F. Slayback, Otto S. Loeb, B. Franklin DeFrece and Herbert R. Limburger of New York city.

Pierre, S. D.-American Tool and Saw Filer Co. has been incorporated. Capital, \$100,000; incorporators, Joseph E. Sanson, R. Leslie Barnes, I. W. Goodner, R. M. J. Tallman.

Rochester, N. Y.-The Boutell Manufacturing Co. has been incorporated to manufacture fruit handling machinery. The capital stock is \$45,000. The directors are: William H. Boutell, Frederick F. Church, andaigua.

Edge Tool Co. has been formed, and after insured. remaining idle for 15 years, a factory on concern.

#### Changes and Improvements.

Binghamton, N. Y.-The Sheldon Mfg. Co. will resume business. Charles Y. Stewresenting New York creditors; Deyo, Anderson and Lee, local creditors, and reprethe business continued under the receiver- ably be rebuilt. ship of L. M. Weed.

Bridgeport, Conn.—Arrangements have by the Perfect Sliding Door Co. of Los ered by insurance. Angeles, Cal., whereby the Bridgeport concern will manufacture the special Hardware of the California company. Homer Laughconcern, to manufacture heaters, stoves and lin, Jr., and Daniel Schuyler, officers of the company and large stockholders, represent the company in this city, and have established its Eastern office here.

> Canandaigua, N. Y.-The Lisk Manufacturing Co. has contracted for the erection of two new buildings, which will necessitate an expenditure of \$15,800. These will adjoin the main buildings of the company's present plant and will be 60x160 and 22x60 feet in dimensions. The larger building will be used as an auxiliary to the enameling department. The contract calls for the completion of the work by June 1.

> Cleveland, O.—The Forest City Paint and Varnish Co. has increased its capital stock from \$60,000 to \$100,000. Walter N. Bowler is the president.

> Detroit, Mich.—The American Vapor Stove Co. of Detroit has increased its capital from \$100,000 to \$150,000.

Detroit, Mich.-The Detroit Stove Co. is changing its entire power system from belts, shafts, gearing, etc., to electric motors, Westinghouse. Church, Kerr & Co. of New York, have installed a 400-horse power compound engine and are now putting in another half as large. They will be connected directly with Westinghouse generators, operless furnaces was installed several months Crocker and Ira C. Taber.

Detroit, Mich.—The Peninsular Stove Co. will expend \$42,000 in a six-story addition to its plant.

Indianapolis, Ind.—The Wagner Plow Co. has notified the Secretary of State of an increase in its capital stock from \$75,000 to \$100,000.

#### / Recent Fires.

Louisville, Ky.—The Louisville Bolt and Iron Works, at Third and N Streets, one of Robert H. Cochrane and F. B. Lease of the largest and most progressive plants in Rochester, and George W. Hamlin of Can- the city, has been destroyed by fire. The total loss to building, machinery and stock

West Warren, Mass.—The Crossman is \$100,000. However, the plant was fully

Massillon, O.-Fire has totally destroyed the Quaboag river will be operated by the the plants of the Dauntless Stove and Burner Co. and A. Hinman & Bro's, mine car and mining machinery makers. The loss is \$25,000; insurance, \$23,000.

Springfield, Mass.—The factory of the Hampden Corundum Wheel Co. has been art, Julius Robertson, B. V. Harrison, rep- almost entirely destroyed by fire, causing a loss of about \$50,000. The blaze was caused by an overheated brick kiln used for baking sentatives of the First National Bank, held the emery wheels. The loss is mostly cova conference recently and decided to have ered by insurance, and the factory will prob-

Richmond, Ind.—Fire has damaged the plant of the Wayne Agricultural Works to been made with the Smith & Egge Mfg. Co. the extent of \$75,000. The loss is fully cov-

#### Miscellaneous.

Burlington, Vt.-The Baldwin Refrigerator Co. have elected A. C. Spaulding to serve as vice-president; W. E. Greene, treasurer; and Ernest E. Smith, a director to fill the vacancy caused by the resignation of A. C. Whiting.

Parkersburg, W. Va.—Four members of the board of directors of the Parkersburg Wire and Nail Co. have resigned. They are J. H. Nichol and W. R. Rutherford of Petroleum, J. H. Miller of Whiskey Run, and R. H. Rutherford of Zanesville. The resignations were accepted at the special meeting of the directors, and the following new ones were elected: A. H. Cutright, W. E. Stout, Ed. Prince and G. V. Langfitt.

Providence, R. I.-At the forty-second annual meeting of the American Screw Co. stockholders, the following directors were chosen: C. Thurston, president; Charles B. Humphrey, Charles Alexander, Robert W. Taft, G. H. Robinson, George L. Shepley, Samuel M. Nicholson.

Toledo, O.—The American Metal Wheel and Toy Co. held its first annual meeting recently and elected a new directory, in addition to completing plans for opening its new factory at Glassboro. The plant will be in complete operation at an early date, and will employ 75 men at the start. These officers were chosen: President, C. E. B. ating over 30 electric motors in various Lamson; vice-president, W. C. Hillman; secparts of the factory. A new boiler plant retary-treasurer, John C. McKisson; direcwith Roney mechanical stokers and smoke- tors, C. M. Bishop, A. G. Argue, O. W.





# Sell them what they Want.

It's easy to sell the goods people want. Housekeepers want Sargent's Gem Food Chopper, they call for it, they know it is a great kitchen convenience, they believe it is the best— and it is. We are advertising the Gem liberally; women are being convinced that it is an indispensable kitchen utensil and they want it. You can supply that want and it will be to your advantage to order to-day a stock of Sargent's Gem Food Choppers.

SARGENT & COMPANY,

149–151–153 Leonard Street, New York.

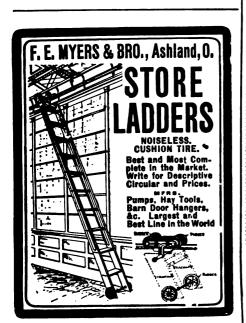
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FIRSTS OR SECONDS

JOB LOTS

IN ANY QUANTITY

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We make more than . . . 740 KINDS OF FORKS.
350 KINDS OF HOES.
40 KINDS OF GARDEN RAKES

In Sizes, Patterns and Grades

FOR ALL MARKETS OF THE WORLD.

WORKS BUN CONTINUOUSLY MORE THAN 40 YEARS.

THE IOWA FARMING TOOL CO.,

illustrated Catalog on Application. . .

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# FANCY GARDEN ROLLER

MADE IN TWO SECTIONS. REVOLVING ON A WROUGHT IRON SHAFT. . . . . . . Made in six sizes, 20 to

Made in six sizes, 20 to 25 inches face, weight 200 to 525 pounds.

We make a complete line of Garden and Field Bollers.

N. Y. Agricultural Wks., 73 Beckman St., NEW YORK.

# SICKELS & NUTTING CO.,

Wholesale Hardware & Manufacturers' Agents,
35 BARCLAY STREET and 40 PARK PLACE, NEW YORK.

IOWA FARMING TOOL CO.
CORTLAND DOOR & WINDOW SCREEN CO.

BOLLES HOES.
ROMER AXE CO.

NORTH WAYNE TOOL CO.'S

LITTLE GIANT, BLACK CLIPPER SCYTHES and GRASS HOOKS.

-Write For Prices.---

## BICYCLE AND SPORTING GOODS RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

#### New Companies, Agencies, Etc.

Boston, Mass.—Fred E. Randall, who for years has been a prominent dealer in Chelsea, Mass., has opened a new store at No. 245 Columbus Avenue.

Buffalo, N. Y.—The Wright Taper Roller Bearing Co. has been incorporated, with a capital of \$900,000. The company will construct extensive works in Buffalo for the manufacture of an anti-friction taper roller bearing for automobiles, bicycles, road vehicles, and for other purposes, under the American patents of W. Hamilton Wright, who also holds European patents.

Burlington, N. J.—The Gray Mfg. Co. has been incorporated, and will locate a factory here for the manufacture of bicycles, automobiles and machinery.

Easton, Md.—F. A. Shannahan opened repair shop in Dover Street.

Findlay, O.—Bruce Houser opened shop in North Main Street.

Meriden, Conn.—H. E. Loll opened store in Colony Street.

New Orleans, La.—The Johnson Wheel Co. has been organized, with \$1,000,000 capital, and a plant will be established there at an uncertain date fixed at "as soon as certain conditions have been complied with." The company has bought from J. N. Johnson the patents on a spring wheel for bicycles and automobiles, etc. The officers of the company are: Albert Mackie, president; J. N. Johnson, vice-president; E. H. Mc-Fall, secretary. Mr. Johnson is from Hattiesburg, Miss.

New York, N. Y.—The Aster Motor Co. is being organized, and will probably be incorporated for \$1,000,000. It owns the American rights to the Aster motors, which were formerly handled in this country by the Waltham Mfg. Co. The plans are to import the motors and build them into vehicles here. They are made in sizes suitable for motor-cycles as well as for motor vehicles.

Owego, N. Y.—M. H. Gaskill has reopened repair shop.

Quitman, Ga.—G. F. Buser opened repair shop in old Bank building.

Sandy Hill, N. Y.—Arthur E. Smith opened store in Main street.

Sherburne, N. Y.—Curtis Harrimon will open in North Main Street.

St. Louis, Mich.—Forquer & Ferris have opened a store and repair shop.

Toledo, O.—Charles De Vaux has reopened store.

Westboro, Mass.—The Hunt Mfg. Co. is to be reinstituted, or rather a new company under the old name, and which will use the old Hunt factory, is in process of formation. The interested parties are J. A.

They will manufacture leather goods and specialties.

#### Changes and Improvements.

Anderson, Ind.—The Erie Cycle and Motor Carriage Co. has sold its factory property to the Anderson Tool Co., the consideration being \$5,200. The Erie company is moving to Frankfort, Ind.

Athol, Mass.—French & Co. purchased business of George Davis.

Buffalo, N. Y.—The Kelsey Co. have purchased the entire stock and good will of the Buffalo Cycle Components Co.

Burlington, Vt.—R. C. Smith of Jeffer-sonville and A. H. Smith of Denver, Col., have purchased the sporting goods and stationery business of W. S. Phelps at 68 Church Street, and have already taken possession

Cambridge, Mass.—Thomas Thompson succeeds Thompson & Taylor.

Canastota, N. Y.—Mrs. W. O. Clark will move to East Centre Street.

Caribou, Me.—F. J. Laffaty & Co. have purchased the bicycle repair business conducted for several years by W. R. Trusty. They will put in a large new stock at once.

Chicopee Falls, Mass.—On account of the Stevens Co. needing the room now occupied by the Royal Motor Cycle Co., the latter are to move to New York city.

Claremont, Cal.—Vernon Walcott will build addition

Cortland, N. Y.—Radway & Dixon succeed Edward Richerson.

Delevan, Wis.—J. B. Brabazon has succeeded to the business of Brabazon & Burke.

Erie, Pa.—The Pennsylvania Rubber Co. has had plans prepared for a large new tire factory, to be erected for it at Jeannette, Pa. The main building is to be 400x600 ft. in size, and will cost \$100,000. Work has already been started on the site, and it is expected that the removal of the company from Erie will take place next summer or fall. About 1,000 hands will be employed in the new plant, which will be equipped with the most modern machinery. The capital stock of the company, which is \$750,000, may be increased to \$1,000,000.

Ilion, N. Y.—H. W. Bradley, who has been superintendent of the Remington Arms Co. plant in this village, has tendered his resignation.

Indianapolis, Ind.—The Indiana Chain Co. has decided to cease the manufacture of chains at its plant, and to turn the factory to other purposes. The large stock of chains and parts on hand are being closed out at low prices, the complete chains, the blocks and links and the rivets being sold separately.

Ivoryton, Conn.—Behrens & Bushnell, bicycle dealers, have refitted their store and put in their new stock of bicycles for spring trade.

ation. The interested parties are J. A. Jacksonville, Fla.—R. H. Paschen has Hunt, F. W. Forbes and J. E. Weatherwax. sold his bicycle shop.

Lebanon, Pa.—Business of Jonas L. Knoll, deceased, will be carried on by Mrs. Knoll.

Malden, Mass.—J. W. McGuire & Co. have enlarged their quarters at Eastern Avenue and Ferry Street by taking in the adjacent store.

Maynard, Mass.—B. J. Coughlin has enlarged store.

Meredith, N. H.—E. W. Heath has bought the stock of bicycle sundries formerly carried by Morrison, the druggist.

New York, N. Y.—The Broadway Bicycle and Sundry Mfg. Co. has sold out to Salim

Norwich, Conn.—Herbert C. Williamson has retired from the superintendency of the W. H. Davenport Fire Arms Co., and will assume his new duties as general manager of the Thames Arms Co. His successor has not been appointed.

Olathe, Kan.—E. A. Dake has sold his interest in the bicycle and jewelry business of Ekengren & Co.

Pensacola, Fla.—F. B. Bruce has succeeded to the sporting goods business of Bruce & King.

Old Saybrook, Conn.—Coulter & Johnson succeed Charles S. Gates.

Pittsfield, Mass.—Smith & Sanders, who handled bicycles, have gone out of business. Redlands, Cal.—Harry Gregory succeeds H. Jacobsen.

St. Johnsbury, Vt.—O. W. Smith, Republican building, succeeded Joseph St. Jock.

Utica, N. Y.—C. H. Broadbent & Co., dealers in bicycles and jewelry, will remove May I from their present location on Whitesboro Street to 4 Lafayette Street. They will discontinue the bicycle department of their business at that time.

Zanesville, O.—A. H. McDonald has succeeded to the bicycle business of A. H. & M. F. McDonald.

#### Embarrassments.

Boston, Mass.—Warren A. Spurr, dealing in bicycles and doing electrical repairing at 122 Tonawanda Street, has filed a petition in bankruptcy. His liabilities are \$540.55; assets, \$11.

Swanton, Vt.—Willard J. Strattard, dealing in bicycles, has gone into bankruptcy.

#### Recent Fires.

Dorchester, Mass.—The repair shop of Frank Kempton was damaged to the extent of \$150 by fire.

Findlay, O.—Harry Bennett's loss by fire, \$3,000; insurance, \$250.

Holyoke, Mass.—Fire and water did \$400 damage to the stock of the Ross Cycle Co.

Hutchinson Minn—R A Delong opera-

Hutchinson, Minn.—F. A. DeLong, operating a bicycle and gun repair shop, has suffered a fire loss.

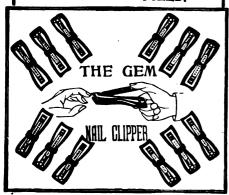
Paterson, N. J.—C. B. Vaughn, fire loss \$2,000.

Worcester, Mass.—Chas. E. Steffens, handling bicycles and sewing machines, has been burned out at a loss of \$3,000; uninsured.



#### The GEM NAIL **CLIPPER**

CUTS, CLEANS, FILES.



Mounted 12 on card like the illustration. They make an attractive show and sell like hot cakes

SAMPLE BY MAIL, 25 CENTS.

#### PRACTICAL POPULAR POCKET Manicure

Perfect for removing hang nails. Send for circular and prices.

H. C. COOK CO.

ANSONIA, CONN.

AT THE FRONT

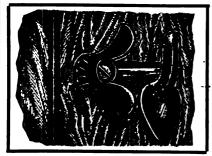
# The Morrow Goaster Brake.

Greatest Labor Saver. ECLIPSE MFG. CO., Ave. 15, ELMIRA, N. Y.

Bicycle, Sleigh, House, Hand, Trip and Rotary Door

Send for Catalogue and Price-List. STARR BROS. BELL CO., \*\* Conn., U.S. A.

> THE FEARN CASEMENT FAST For hinged Cellar and Attic Sash.



Mounted samples and price on application. THE COLUMBUS SASH RIBBON CO., COLUMBUS, OHIO.

#### OILERS

"PERFECT"

"CEM"

"LEADER"

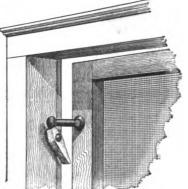




We make oilers for almost the entire trade. The quality of our oilers is unequaled.

GUSHMAN & DENISON, Mfrs., 240-2 W. 23d St., N.Y.

# THE DIME SCREEN DOOR CHECK



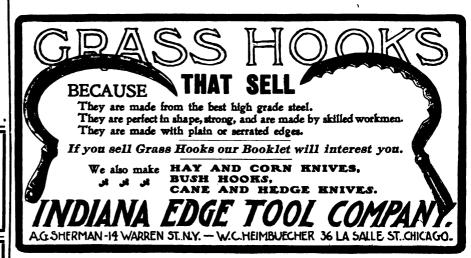
MOST EFFECTIVE DEVICE FOR PREVENTING THE SLAMMING OF SCREEN DOORS. . . .

The closing door brings the plunger on the door in contact with the top of the rubber bumper, throwing it up to a horizontal position. The door rebounds from the concussion and the rubber drops by gravity to a perpendicular position, allowing the door to close.

Packed in attractive display boxes to retail for 10 Cents.

CALDWELL MFG. CO.,

Rochester, N. Y.





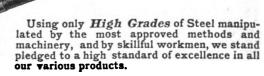
# The ORIGINAL Water Tight Steel Mortar Hods

Can't possibly leak. Are lighter-more durable and cheaper than wooden hods. Adjustable socket wooden noos. Adjustable socket fork to take up shrinkage, and the replacing of a new handle requires but a moment's time. Do not buy the cheap imitations, but get the ORIGINAL. They sell themselves.

The Geauga Foundry & Mfg. Co., PAINESVILLE, OHIO.



Are made exclusively from highest grade crucible steel manufactured expressly for our requirements.



Ask for catalogue and prices-they are interesting.

THE WILLOUGHBY FORK & MFG. CO.

Willoughby, Ohlo.







#### Hardwaremen's Exchange.

Notices of HELP WANTED or SITUATIONS WANTED will be inserted in this column free of charge. Should not exceed Four Lines. Notices of SIDE LINE OFFERED, SIDE LINE WANTED and ALL OTHER NOTICES, twenty-five cents per line.

#### Help Wanted.

A. N. JACOB, 272 Bowery, New York. is in need of a well-posted Hardware clerk, who, if capable of filling the place, would receive a satisfactory salary and find a permanent position. Call and see him.

COREMAN—A man who thoroughly understands nickel, brass and copper plating and oxydizing, and who has a knowledge of lacquering. No one who cannot manage a small plating, polishing and buffing room with twenty to thirty hands need apply. Address, stating wages expected and where have worked previously, and to whom can refer, P. O Box 221, Newark. N. J.

#### Situations Wanted.

A CCOUNTANT.—Position wanted by an experienced accountant and cashier. Open for engagement February first. Highest references as to character and ability. Address L., Box 1066, Derby, Conn.

BOOKKEEPER, middle-aged, desires position. Has a thorough knowledge of all details of office work, quick, accurate and reliable, and has first-class record. Is acquainted with the manufacturers of metal goods and foundry work; accustomed to control work people, and to obtain best results. Address Mellor, care Hardware. 275 Broadway. New York.

BOOKKEEPER thoroughly experienced and competent to take entire charge of office, desires position. First class references Address H. G. T., care HARDWARE, 275 Broadway, New York.

COST CLERK.—Young man. experienced and able to install a complete "Cost of Production System." Highest references and bond given. Address "Systematist," care Hardware, 275 Broadway, New York

HARDWARE CLERK.—A young man, aged 20 active and energetic, self-reliant and competent, would like a position in a wholesale Hardware store, where strict attention to business and ambitious application would merit early advancement. Address G. G. G., care HARDWARE, 275 Broadway. New York.

HARDWARE CLERK.—Hardwareman experienced as clerk, bookkeeper, buyer and manager in retail store, desires position with wholesale or retail store, or on the road Best references as to ability and character. Address R. C. Wenck, Newberry, Pa. 302

HARDWARE SALESMAN of .5 years' experience, thoroughly acquainted with the wholesale trade throughout the United States and Canada, is open for engagement January first. Highest reference from last employer. Address H. J. Benson, Bethel Church, Lancaster, Pa.

HARDWARE SALESMAN.—A young man of wide experience in buying and selling Hardware, desires to connect himself with a progressive manufacturer who appreciates the value of brain and intelligence. Address W., care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN.—An AI specialty salesman wants to represent some good firm in Cleveland and nearby trade. No traveling. Address CLEVELAND, care HARDWARE 275 Broadway, New York.

HARDWARE SALESMAN.—Experienced Hardwareman wants position as salesman (road or store). New York State preferted. Thoroughly conversant with Builders' Hardware, Mechanics' Tools and Supplies, Farm Implements and General Machinery. First class references. Address A. A. P., care HARDWARE, 275 Broadway, New York.

#### Situations Wanted.

ADY BOOKKEEPER.—A young lady assistant bookkeeper or entry clerk, with moderate ideas as to salary, desires a place in a Hardware store, wholesale preferred. Has had several years' experience, and is fully competent. Address W. W. W., care HARDWARE, 275 Broadway, New York.

TRAVELING SALESMAN.—Position by man of fourteen years' experience on the road, with large acquaintance in the Middle West, with correct habits, and AI references in line of Hardware Specialties, Housefurnishing Goods or other staple line. Address Ohio, care HARDWARE, 275 Broadway. New York

304

TRAVELING SALESMAN.—One of the most popular Hardware salesmen traveling in the South and Southwest wants a position January first. Has knowledge of all Hardware lines, especially experienced in Builders' Hardware, Guns and Cutlery. Address T. T. T., care HARDWARE, 275 Broadway. New York.

YOUNG GERMAN speaking French and English, with knowledge of machinery Hardware, desires position. Address H. C. A., care HARDWARE, 275 Broadway, New York.

#### Export Business Wanted.

AN EXPERIENCED HARDWAREMAN who has spent some time on the road, and possessing the knowledge of how to develop a large Export Trade, here in the city, offers his services to a few ambitious manufacturers desirous of cultivating such extension of their present business. Correspondence solicited. Address BOBS, care HARDWARE, 275 Broadway. New York.

#### Side Line Offered.

GARDEN HOSE, ETC.—Side line offered by high-rated, old-established factory. Address P. O. Box 1371. New York. 312

TRAVELING SALESMAN.—Salesman wanted for retail trade to carry side line of shears. Prices and quality right. Address W. M. B., care HARDWARE, 275 Broadway. New York 290

TRAVELING SALESMAN wanted for retail trade to carry a side line of Screw Drivers. State. New York or Fennsylvania. Address Peerless, care Hardware, 275 Broadway. New York. 303

TRAVELING SALESMEN calling on the Hardware and general merchandise trade in North and South Carolina, Georgia and Florida, offered salable side line No samples, and good commissions. Address P. O. Box 303. Norfolk, Va.

#### Side Line Wanted.

NEW YORK AND VICINITY—A gentleman now representing a first-class line of Hardware would like to add one or more lines of importance for New York and vicinity. Best of references as to experience and ability. Address B. H., care HARDWARE, 275 Broadway, New York.

Ad. Writing.

# Do You Write Ads? SHIP TODAY FOR INVALUABLE INFORMATION—FREE HARPER SYNDICATE, Columbus, C.

#### Agency Offered.

LIVE HARDWAREMEN—We would like to hear immediately from a few live Hardwaremen who would like to be sole representatives in their towns, of a concern that is in the market for business, and have a line made for "men now on earth"—a modern line THAT CAN ES SOLD to your customers. Address "Box 88." care HARDWARE, 275 Broadway. New York.

#### Agency Wanted.

AGENCY WANTED by merchants with good connections and depots for the United Kingdom, for specialties or goods in the Hardware or kindred trades. Correspondence invited. Address W. Peel, 51 South John Street, Liverpool. England.

#### For Sale.

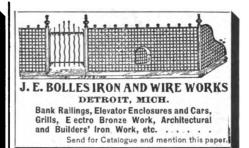
HARDWARE STORE FOR SALE.—Stock consists of full line of Builders' Hardware, House Furnishing Goods, Paints and Glass, invoicing \$12,000 to \$15.000. Located on main business street in 32d Ward, Pittsburg. For particulars address C. J. Ammann, 57 Shiloh Street, Pittsburg, Pa.



# Standard Stamping Co.

SHERT METAL STAMPINGS. BICYCLE PARTS, NOVELTIES, and Contractors for SHEET METAL GOODS.

Corner Seventh and Hudson Streets, BUFFALO, N. Y., U. S. A.









#### ROBERT MURRAY. 24 Duanc St., New York City.

## General Hardware

Agent for Atlantic Screw Works Wood Screws of Every Description.
Agent for Maynard's Socket Shovels.

#### A WHOLESALE HOUSE

Wishes to communicate with manufacturers of Tools for regular deliveries for Cash. Apply

E. NEWBORGH & CO., 46 Southampton Buildings, London, W. C.

#### SHEARS.

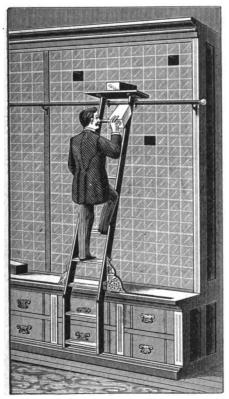
Steel Laid and Hard Cast, in great variety. Nail Pullers, Screw Drivers Plyers. Wire Cutters, etc. Metal Goods of any kind to order on large contracts.



The Bridgeport Mfg. Co., Admiral Street, Bridgepo

#### THE BICYCLE STEP LADDER.

Especially adapted for Hardware Store



The newest, neatest, simplest, easiest operated and safest store ladder made. Highest Award World's Fair. Write us. THE BICYCLE STEP LADDER CO., 65 Randolph St., Chicago, Ills.

1902 Model ready for delivery Jan. 1st.

Removes cut and dead grass, leaves, refuse, etc., from the lawn and sweeps SIDE-WALKS, PAVED STREETS and FACTORY FLOORS!

Made right, looks right, is right and

guaranteed. THE GREENE MFG. CO.,

2000 Candle Power.

JOBBERS

wanting a 1901 NOVELTY, that is a 1902 NECESSITY, must handle

THE "APOLLO" LAWN-SWEEPER

> 20, 24 and 28 Inch Sweep.

> > Write for booklet and discounts.

12 East St., Springfield, Ohio, U. S. A.

If you want your store made attractive light it with

## STERLING ARC SYSTEM

The simplest lamp, with fewer\_parts than any other on the market. Nothing to get out of order. No taking down to fill. Always ready for use.

#### ALL GOODS WARRANTED FOR TWO YEARS

WRITE FOR OUR SPECIAL PROPOSITION TO HARDWARE DEALERS.

Sterling White Light Gas Lamp Co., STERLING, ILL.



Barrett's Glass Cutters Standard Barrett's Practical Glass Cutters are the standard the world over. Sold by more Hardware Dealers than all



other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U. S. &

FOR QUOTATIONS WRITE



Polygon Conductor **Pipes** Won't Burst.

Ĩ

OUR PRICES BEFORE ORDERING

The twist in the corrugation checks the sudden fall of ice and water, thus protecting the and water, thus protecting the joints. It stands hard knocks because it is corrugated, Again, it is much handsomer than plain pipe. Made in copper and galvanized iron.

Catalogue and information from

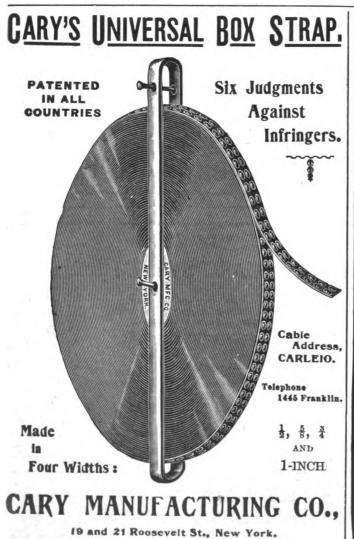
Catalogue and information free.

Address Dept. H, THE.

AMERICAN STEEL BOOFING CO.

Middletown, O.







# PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us

make this department of our paper worth; The list prices, from which discounts the dealer upon request, by the manufactu

| The desirer apon request, by the management                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ammunition—                                                                                                                                                                                                                                                                                                                                                                                |
| U. M. C. Co., trimmed edge                                                                                                                                                                                                                                                                                                                                                                 |
| OABTRIDGES  Rim Fire Cartridges                                                                                                                                                                                                                                                                                                                                                            |
| Berdan Primers                                                                                                                                                                                                                                                                                                                                                                             |
| ######################################                                                                                                                                                                                                                                                                                                                                                     |
| ** New Club," Black Powder40&5%  ** New Rivai," Black Powder40&5%  ** Arrow" Nitro Powder,                                                                                                                                                                                                                                                                                                 |
| 40&10&10&5% "Acme," Dense Nitro Powder, 40&10&10&5% "Trap," Nitro Powder40&10&10&5%                                                                                                                                                                                                                                                                                                        |
| GUN WADS—\$\mathbb{\text{\$\sigma}\$} 1000—  B. E., 9 & 10                                                                                                                                                                                                                                                                                                                                 |
| ### SHOT—  Tatham Bros.: ### bag  Drop Shot, sizes smaller than B,                                                                                                                                                                                                                                                                                                                         |
| All Primers\$1.10-1.1234<br>CARTRIDGES-                                                                                                                                                                                                                                                                                                                                                    |
| Peters Blank Cartridges:  22 O. F., \$5.50. 10&5%  28 C. F., \$7.00. 10&5%  28 Cal. Rim, \$1.50. 10&5%  28 Cal. Rim, \$2.75. 10&5%  38 Cal. Rim, \$2.75. 10&5%  B. B. Cape, Con. Ball, Swgd. \$1.85-1.90  B. B. Cape, Round Ball 11.2-1.18  Central Fire 22%  Pistol and Rife 15&5%  Primed Shells and Bullets 15&5%  Rim Fire Sporting 50%  Rim Fire Military 15&5%  FETERS SHELLS—EMPTY— |
| Peters Ideal, 10 and 12 gauge. 381/4 105  New Victor, 10, 12 and 16 gauge. 155  Quick Shot, 10, 13 and 16 gauge 25.55  League, 10, 12 and 16 gauge 25.25  PITERS SHELLS—LOADED (BLACE POWDER).— Peters League, 10 and 12 gauge. 40.255                                                                                                                                                     |
| Peters League, 10 and 12 gauge. 40 &5% "Quick Shot, 10, 12 and 16 gauge 40 &5% Loaded with (Semi-Smokeless Powder). Peters Referee, 10, 12 and 16 gauge 40 &5% Loaded with (Smokeless Powder). Peters New Victor, 10, 12 and 16 gauge                                                                                                                                                      |
| Peters B. E., 9 to 10                                                                                                                                                                                                                                                                                                                                                                      |

| is of any discrepancies, as we desire to<br>hy of their constant attention.<br>Is are given, will always be furnished<br>turer quoted.                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| " P. E., ¾ in. 8                                                                                                                                           |
| 9&10                                                                                                                                                       |
| 8\$1.50<br>9&101 25<br>11 to 201 00<br>" Card Board, per 1,000:<br>826c                                                                                    |
| 8                                                                                                                                                          |
| 11 to 2018c                                                                                                                                                |
| FOWDER—    King's Smokeleas (Shot-gun),   Kegs (25ths bulk)                                                                                                |
| Half Kegs (1946 bulk). 11.25 Quarter Kegs (646 bulk). 5.75 Canister (16 bulk). 1.00                                                                        |
| King's Semi-Smokeless,  Keg, 250bs bulk                                                                                                                    |
| King's Quick Shot (Black),  Kegs, 25 lbs. 4.00  Half Kegs, 12½lbs. 2.25                                                                                    |
| Quarter Kegs, 6345bs. 1.25 1 b Can (24 in case) 25 14 b Can (24 in case) 15 Discounts on application.                                                      |
| Animal Pokes— Iowa Farming Tool Co.: \$2 dos.                                                                                                              |
| Hawkeye \$3.25<br>Western 8.75                                                                                                                             |
| ### Anti-Rattlers—    Fernald, Wire.                                                                                                                       |
| Anvils— American "Horse-Shoe"                                                                                                                              |
| Armitage's Mouse Hole. 946c Cincinnati 255&10x Eagle Anvils, 975 9c. 15@15&57 Hay Budden, Wronght. 834c Pater Wright's 956@104cc Samson. 40&10x Trenton 5c |
| ANVIL AND VISE COMBINED—  Chency Anvil and Vise                                                                                                            |
| Augers and Bits— Boring Machine                                                                                                                            |
| Forstner Pat. Bits                                                                                                                                         |
| Double Spur pattern car, No. 30 50x                                                                                                                        |
| Jenning's Pattern Auger Bits, 50@50&10s  Jenning's Pattern Car                                                                                             |
| HOLLOW AUGERS—  Ames                                                                                                                                       |

| Cincinnati Nos. 1, 2 and 3       25&10g         Douglase'       25&10g         Hibbard's Adjustable       Net prices         Ives       25&10g         Millers Falls, Goodell       15&75g         Swan's       20g         Universal, each \$4.50       20g |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EXPANSIVE BITS—  C. E. Jennings & Co                                                                                                                                                                                                                         |
| DOUBLE CUT GIMLET BITS—   Common                                                                                                                                                                                                                             |
| BIT STOCK DBILLE— Cincinnati Tool Co., for wood, 40&10x                                                                                                                                                                                                      |
| TWIST DRILLS—  Cleveland                                                                                                                                                                                                                                     |
| ### SHIP AUGERS AND BITS—  L'Hommedieu's                                                                                                                                                                                                                     |
| Awl and Auger Handles—<br>See Handles Awls—                                                                                                                                                                                                                  |
| Handled Brad                                                                                                                                                                                                                                                 |
| Awl and Tool Sets—<br>Aiken's Awls and Tools:<br>No. 10. % doz. \$7.50: No. 20. % dos:                                                                                                                                                                       |
| \$10. 60s Brad Sets: No. 42, \$10.50; No. 45, \$12.50. 70s Fray's Adj. Tool Hdls., Nos. 1, \$12; 2, \$18; 8, \$12; 4, \$9; 5, \$7. 50s Los Awis. 565 Millers Falls Adj. Tool Holders: Nos. 1, \$12; 2, \$12; 4, \$12; 5, \$18. 15@15&10s                     |
| C. E. Jennings & Co.'s Adjustable Tool Handles                                                                                                                                                                                                               |
| Axes— First quality, best brands\$5.75@6.25 First quality, other brands5.50@6.00 Beveled, add 25c. \$\tilde{a}\text{doz}.                                                                                                                                    |
| HATCHETS— Hunt's, Underhil's or Blood's. 40&10s Peck's: Champion Blade. 45g Empire Brand. 50&10g D. Simmons & Co.: Broad Shingling and Claw 50&5g Lath, Hunters', etc. 50&5g                                                                                 |
| Axle Grease—         Dixons' "Everlasting ":         1-b box                                                                                                                                                                                                 |
| ** Balances—  Chattllon's: Light, Class A                                                                                                                                                                                                                    |
| Balances, Sash— Caldwell's                                                                                                                                                                                                                                   |

| ,      | See напgeтв.                                                                                                                                                                |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | Barrel Drainers— National                                                                                                                                                   |
|        | Beef Shavers-                                                                                                                                                               |
|        | Enterprise:<br>Japanned, each, \$7.5025@30s<br>Tinned, each, \$9.0025@30s                                                                                                   |
|        | Bells—                                                                                                                                                                      |
| ;<br>• | ### HAND—####################################                                                                                                                               |
|        | D008                                                                                                                                                                        |
|        | 171D, Gem Abbe's 40@45g Alarm, Yankee 50% Gong, Abbe's 40% 60% 600g, Yankee 50% Lever, R. & E. Mfg. Co.'s 50&10% New Departure 45@50% 600 600 600 600 600 600 600 600 600 6 |
|        | Common Wrought                                                                                                                                                              |
| ]      | Bellows—       70%         Blacksmiths'       70%         Hand       20%       10%         Moulders'       25.20%                                                           |
|        | Belting, Rubber-                                                                                                                                                            |
| (      | Boston Belting Co.:                                                                                                                                                         |
| 1      | N. J. Car Spring & Rubber Co. :  Extra Para                                                                                                                                 |
| 1      | Reliable                                                                                                                                                                    |
| i      | Belting, Stitched Cotton—           Sphinz Brand                                                                                                                            |
|        | Bench Stops—                                                                                                                                                                |
| !      | Cincinnati                                                                                                                                                                  |
|        | Bit Holders—                                                                                                                                                                |
| i      | Angular                                                                                                                                                                     |
|        | Bit Stock Drills—                                                                                                                                                           |
| 1      | See Augers and Bits.                                                                                                                                                        |
| 1      | Blind Adjusters—  Domestic. \$\varphi\$ dos. \$3.00                                                                                                                         |
|        | Blind Fastenings and Tenons-                                                                                                                                                |
| j      | Anstin & Eddy # gro. sets                                                                                                                                                   |
|        | Forhan's Improved Star Tenom  # gro. \$1.00                                                                                                                                 |
| 1      | Blind Hinges<br>See Hinges.                                                                                                                                                 |
|        | Blocks-                                                                                                                                                                     |
| (      | Burr Mfg. Co.'s Steel                                                                                                                                                       |

Barn Door Hangers-



| ***************************************                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <del></del>                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Rope Strapped, Japan'd Sheaves.60&10%<br>L. V. Sheaves                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Bush Hooks—<br>See Hooks.                                                                                      | Cartridges—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Coffee Mills— Box and Side50&10@60                                    |
| Lanes: Junior, Self Sustaining80%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Butchers' Cleavers—                                                                                            | See Ammunition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Enterprise Mfg. Co                                                    |
| Pat. Automatic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Bradley's                                                                                                      | Casters— Bed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | National Specialty Mfg. Co                                            |
| Perfect Safety                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Foster Bros. Flat Hds                                                                                          | Martin's Patent (Phœnix)40&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Waddel's New Box Mills10 Ideal Brand, New List60@60&10                |
| Bolts-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Lancaster Mach. & Knife Wks.381/46240%<br>& I. J. White25%                                                     | Plate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Coil Chain—                                                           |
| DOOR AND SHUTTER—<br>Cast Iron Barrel, Square, &c50&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | New Haven Edge Tool Co.'s                                                                                      | Standard, Ball Bearing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | See Chain.                                                            |
| Cast Iron Chain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Butcher Knives-                                                                                                | Cattle Leaders—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Compasses, Dividers. &c.— Athol Calipers and Dividers40               |
| Ives' Patent Door Bolts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | See Knives.                                                                                                    | Humason, Beckley & Co.'s70&10%<br>Sargent's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Bemis & Call Co.'s:<br>Compasses50&5                                  |
| Wrought Square                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Butchers' Saw Blades—<br>Millers Falls Co. Star15@15&10#                                                       | Weltons70&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Dividers                                                              |
| Wr't Sunk Flush, Sargent's list 50@50&10\$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C. E. Jennings & Co25&10                                                                                       | Chain—<br>American Halter Chain50@50&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Copeland's Extension.                                                 |
| Wr't Sunk Flush, Stanley's list<br>45@45&10≴                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Butter and Cheese Triers— Ordinary Black Handle                                                                | American Proof Coil, Cask lots.<br>F. O. B. Pittsburgh.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Stevens' "Ideal"                                                      |
| Wr't B. K. Flush, Com'n, Stanley's list                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Humason & Beckley's25&10                                                                                       | Inch. Per 1b. 3-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Spring Calipers and Div                                               |
| Wrought Spring, Sargent's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Butt and Rabbet Gauges-                                                                                        | 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Coopers' Tools—                                                       |
| Bolt Ends                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Stanley's25&10%  Butts—                                                                                        | <b>36</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Bradley's                                                             |
| Carriage, Common                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BRASS-                                                                                                         | 9-16 4.00<br>4.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | L. & I. J. White                                                      |
| Phila., Eagle, list June 1, '9980%<br>Sleigh Shoe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Cast Brass, Fast Joint40&10@50a<br>Cast Brass, Ice House40%                                                    | \$ 3.85<br>\$ 3.80<br>\$ 3.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sandusky Tool Co 25&10@30&10<br>Shaves, Cincinnati Tool Co15@15&10    |
| TIRE—<br>American Screw Co.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cast Brass, Loose Joint 40&10@50%<br>Wrought Brass, list Sept. '96.40@40&5%                                    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Corkscrews-                                                           |
| Bay State, Plain, list Dec. 28, '99.77145<br>Bay State, Finted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CAST IRON—<br>Loose Joint                                                                                      | orders of less than cask lots. Covert Mfg. Co., Breast Chain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Detroit Cork-Screw Co                                                 |
| Ragle Phila., list Feb. 26, '96 85, Norway, Phila., list Feb. 26, '96 8214                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Loose Joint                                                                                                    | Covert Mfg. Co., Haiter Chain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Humason & Beckley Mfg. Co40&10<br>Samson & doz \$10.0<br>Williamson's |
| Common, list Dec. 28, '99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 70@70&10%<br>Loose Pin70@70&10%                                                                                | Covert Mfg. Co., Rein Chain<br>Covert Mfg. Co., Stallion Chain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Corn and Fodder Compressor-                                           |
| Portchester. Norway80%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Parliament Butts                                                                                               | Covert Mfg. Co., Rein Chain<br>Covert Mfg. Co., Stallion Chain<br>Galvanized Pump Chain44 to 44cc<br>German Coll, list July 24, '9760&10x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | J. B. Hughes', W dozen net\$3.6                                       |
| Plow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Fast Joint, Broad                                                                                              | German Halter Chain, list July 34, 37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Corn Hooks—                                                           |
| MISCELLANEOUS—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | WROUGHT STEEL—<br>List April 1, 1895.                                                                          | Jack Chain, Iron                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Kretsinger Cut-Rasy\$3.00 me                                          |
| Bone Mills.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Bronzed Inside Blind Butts 60&10%<br>Bronzed, Narrow50@50&10%                                                  | Oneida:<br>Niagara                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Corn Knives and Cutters— Bradley's                                    |
| Enterprise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Fast Iniat Nassaur 60s)                                                                                        | Trace, Wagon and Fancy Chains,<br>New List                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Wadsworth's                                                           |
| Borers, Bung.<br>Enterprise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Fast Joint, Light Narrow 60% 12% Fast Joint, Broad 60% 10% Loose Pin 60% 10% Fable Butts, Back Flaps, etc. 60% | COW TIES-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Countersinks— Mayhew's Diamond 40 Smith's 5                           |
| Nos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                | American                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Snell's                                                               |
| No. 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Calipers—<br>Bemis & Call:                                                                                     | Covert Mfg. Co.:<br>Cotton                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Wheeler's Patent 50&10                                                |
| No. 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Wing                                                                                                           | Jute                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Crayons—<br>Sargent's List                                            |
| Common Ring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Inside and Outside                                                                                             | Chain Guards—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sargent's List 20 Dixons: Fgro Eclipse 25.7 Emerald 5.0               |
| 176525&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Call's Pattern, inside 50%  Can Openers—                                                                       | Aluminum S. & N. Co50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Unole B.                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                       |
| Boring Machines— WITHOUT AUGERS—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                | Chain Hoists—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Rainbow                                                               |
| WITHOUT AUGERS-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | American                                                                                                       | Chain Hoists—  Moore's "Anti-Friction"30%  Moore's "Direct"50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Solid                                                                 |
| WITHOUT AUGERS— Upright. Angular. Douglass'\$3.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | American                                                                                                       | Moore's "Anti-Friction"30%<br>Moore's "Direct"50%<br>Oherry Stoners—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Solid                                                                 |
| WITHOUT AUGERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | American                                                                                                       | Moore's "Anti-Friction"80%<br>Moore's "Direct"50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Solid                                                                 |
| WITHOUT AUGERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | American                                                                                                       | Moore's "Anti-Friction"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Solid                                                                 |
| WITHOUT AUGERS— Upright. Douglass'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | American                                                                                                       | Moore's "Anti-Friction"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Solid                                                                 |
| WITHOUT AUGERS— Upright. Douglass'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | American                                                                                                       | Moore's "Anti-Friction"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Solid                                                                 |
| WITHOUT AUGERS— Upright. Douglass' \$9.76 Jennings' 8.00 Millers Falls. 7.50 Snell's, Rice's Pat. 2.75 Bow Pins— Hotchkiss. 60&105  Boxes. Mail.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | American                                                                                                       | Moore's "Anti-Friction"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Solid                                                                 |
| WITHOUT AUGERS—  Upright.  Douglass'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | American                                                                                                       | Moore's "Anti-Friction"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Solid                                                                 |
| WITHOUT AUGERS—  Upright.  Douglass'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | American                                                                                                       | Moore's "Anti-Friction"   30%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Solid                                                                 |
| WITHOUT AUGERS—  Upright.  Douglass'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | American                                                                                                       | Moore's "Anti-Friction"   30%     Moore's "Direct"   50%     Cherry Stoners—    Enterprise   35@30%     Family   net # dos. \$4.00     Chisel and File Handles—    See Handles.     Chisels—    SOCKET FRANING AND FIRMER—    Buck Bros.   30%     Charles Buck   30%     Douglass   Mix   Ohio Tool Co.     P. S. & W   70%     Swan   Swan   50%     Swan   50%     Swan   70%     Swan   50%     Swan                                                 | Solid                                                                 |
| WITHOUT AUGERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | American                                                                                                       | Moore's "Anti-Friction"   30%     Moore's "Direct"   50%     Cherry Stoners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Solid                                                                 |
| WITHOUT AUGERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | American                                                                                                       | Moore's "Anti-Friction"   30%     Moore's "Direct"   50%     Cherry Stoners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Solid                                                                 |
| WITHOUT AUGERS—  Upright.  Donglass'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | American                                                                                                       | Moore's "Anti-Friction"   30%     Moore's "Direct"   50%     Cherry Stoners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Solid                                                                 |
| WITHOUT AUGERS—  Upright.  Douglass' \$3.75  Jennings' \$3.75  Jenings' \$3.75  Jennings' \$3.7                                                                                                                                   | American                                                                                                       | Moore's "Anti-Friction"   30%     Moore's "Direct"   50%     Cherry Stoners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Solid                                                                 |
| WITHOUT AUGERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | American                                                                                                       | Moore's "Anti-Friction"   30%     Moore's "Direct"   50%     Cherry Stoners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Solid                                                                 |
| WITHOUT AUGERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | American                                                                                                       | Moore's "Anti-Friction"   30%     Moore's "Direct"   50%     Cherry Stoners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Solid                                                                 |
| WITHOUT AUGERS—  Upright.  Donglass'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | American                                                                                                       | Moore's "Anti-Friction"   30%     Moore's "Direct"   50%     Cherry Stoners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Solid                                                                 |
| WITHOUT AUGERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | American                                                                                                       | Moore's "Anti-Friction"   30%     Moore's "Direct"   50%     Cherry Stoners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Solid                                                                 |
| WITHOUT AUGERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | American                                                                                                       | Moore's "Anti-Friction"   30%     Moore's "Direct"   50%     Cherry Stoners   50%     Enterprise   25% 30%     Family   net \$\pi\$ dox. \$\frac{3}{4}.00     Chisel and File Handles   See Handles     See Handles   30%     Charles Buck   30%     Charles Buck   30%     Charles Buck   30%     Charles Buck   30%     Mix   30%     Ohio Tool Co.   70%     Swan   Witherby   C. E. Jennings & Co, No. 70.   20%     Jennings & Griffin Mfg. Co.   70%     Tanged And Miscellaneous   30%     Buck Bros   30% 10%     Buck Bros   30% 10%     Butchers   34.75@\$5.00 to & 20%     Jennings & Griffin Mfg. Co. Tanged   Chisels and Gouges   40%     Spear & Jackson's   \$5.00 to & 20%     Tanged Firmers   40% 40% 10%     Cold Chisels   36% 30% 10%     Cleaners   Sidewalk   \$3.25%     Cleaners   Sidewalk   \$3.25%     Challenge Shank   \$3.25%     Challenge Shank   \$3.25%     Challenge Shank   \$3.25%     Condition   30%     Challenge Shank   \$3.25%     Challenge Shank   \$3.25%     Condition   30%     Challenge Shank   \$3.25%     Challenge Shank | Solid                                                                 |
| WITHOUT AUGERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | American                                                                                                       | Moore's "Anti-Friction"   30%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Solid                                                                 |
| WITHOUT AUGERS-  Upright.   Douglass'   \$3.75   \$3.88   \$3.875   \$3.88   \$3.75   \$3.88   \$3.75   \$3.88   \$3.75   \$3.88   \$3.75   \$3.88   \$3.75   \$3.88   \$3.75   \$3.88   \$3.75   \$3.00   \$3.75   \$3.00   \$3.75   \$3.00   \$3.75   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3. | American                                                                                                       | Moore's "Anti-Friction"   30%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Solid                                                                 |
| WITHOUT AUGERS-  Upright.   Douglass'   \$3.75   \$3.88   \$3.75   \$3.88   \$3.75   \$3.88   \$3.75   \$3.88   \$3.75   \$3.88   \$3.75   \$3.88   \$3.75   \$3.88   \$3.75   \$3.00   \$3.75   \$3.00   \$3.75   \$3.00   \$3.75   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.00   \$3.0 | American                                                                                                       | Moore's "Anti-Friction"   30%     Moore's "Direct"   50%     Cherry Stoners   25%30%     Enterprise   35%30%     Family   net \$\frac{3}{4}.00\$     Chisel and File Handles   See Handles     See Handles   30%     Charles Buck   30%     Charles Buck   30%     Charles Buck   30%     Charles Buck   30%     Mix   30%     Oblo Tool Co   70%     Swan   Witherby   20%     Swan   30%     Other Tool Co   70%     Swan   30%     Other Tool Co   70%     Swan   30%     Che Jennings & Co, No. 70   20%     Jennings & Griffin Mfg. Co   70%     Buck Bros   30%10%     Buck Bros   30%10%     Butchers'   34.75%   35.00 to & 20%     Jennings & Griffin Mfg. Co   Tanged     Chisels and Gouges   40%     Spear & Jackson's   35.00 to & 20%     Tanged Firmers'   40%40&10%     Colo Chisels   35.00 to & 20%     Cleaners   Sidewalk   40%     Cleaners   Sidewalk   40%     Cleaners   Star Shank   40%     Star Socket   4.2%     Chicago Flexible Shaft Co,'s:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Solid                                                                 |
| WITHOUT AUGERS-  Upright.   Angular.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | American                                                                                                       | Moore's "Anti-Friction"   30%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Solid                                                                 |
| ### WITHOUT AUGERS— ### Upright.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | American                                                                                                       | Moore's "Anti-Friction"   30%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Solid                                                                 |
| ### WITHOUT AUGERS— ### Upright.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | American                                                                                                       | Moore's "Anti-Friction"   30%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Solid                                                                 |
| ### Upright.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | American                                                                                                       | Moore's "Anti-Friction"   30%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Solid                                                                 |
| ### WITHOUT AUGERS— ### Upright.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | American                                                                                                       | Moore's "Anti-Friction"   30%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Solid                                                                 |
| ### Upright.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | American                                                                                                       | Moore's "Anti-Friction"   30%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Solid                                                                 |

| MARCH 10, 1902.                                                                                                                                                                         |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Drawing Knives— Adjustable Handle25@25&10%                                                                                                                                              | D              |
| Bradley's                                                                                                                                                                               | G:             |
| Jennings & Griffin                                                                                                                                                                      | N              |
| Adjustable Hannie 2003282 105 Bradley's 25% Douglass 70@70&105 Jeanings & Griffin 68% Mix. 70@70&105 Ohio Tool Co 70@70&105 Witherby 70@70&106 Watrons 26%                              | R              |
| Witherby                                                                                                                                                                                | Se             |
| L. & I. J. White                                                                                                                                                                        | St             |
| Automatic Boring Tools50%                                                                                                                                                               | Ā              |
| Blacksmiths'                                                                                                                                                                            | F              |
| Breast, Millers Fails, each \$8.00, 15& 10%                                                                                                                                             | A              |
| Petchet Billings' Double Acting 88144                                                                                                                                                   | K              |
| Ratchet, Ingersoll's                                                                                                                                                                    | C              |
| Patchet Whitney's 504                                                                                                                                                                   | Fi             |
| Batchet, Weston's 20@25% Stearns' Bench 30% Upright, B. & P 50% Hand, Goodell's 90&10% Whitney's Hand Drill, No. 1, \$10.00; Adjustable No. 10, \$12.00 3314% Wilson's Drill Stocks 10% | Li             |
| Upright, B. & P                                                                                                                                                                         |                |
| Adjustable No. 10, \$12.0038/45<br>Wilson's Drill Stocks 105                                                                                                                            | В              |
| TWIST DRILLS-                                                                                                                                                                           |                |
| See Augers and Bits. BLACKSMITHS                                                                                                                                                        | B              |
| Coe's                                                                                                                                                                                   | B              |
| Drug Mills— National Specialty Mfg Co805                                                                                                                                                | H              |
| National Specialty Mfg. Co30%<br>Enterprise Mfg. Co25@30%                                                                                                                               | H:             |
| Easy Lawn Swings— \$\psi\$ doz.<br>Ulrich Mfg. Co\$85.00                                                                                                                                | M              |
| Egg Beaters—                                                                                                                                                                            | G<br>H         |
| Keystone       381/5         Spiral       \$ gro. \$4.25@\$4.50         Standard Co.       Net prices.         Taplin Mfg. Co.       Net prices.                                        | O:<br>Po       |
| Taplin Mfg. CoNet prices.                                                                                                                                                               | Po<br>St       |
| Emery—<br>Genuine Turkish Walpole Mills,                                                                                                                                                | S1<br>S0<br>S0 |
| Genuine Turkish Walpole Mills,<br>No. 6 to 46, % b                                                                                                                                      | Sc             |
| Flour, # 15                                                                                                                                                                             | 81             |
| No. 4                                                                                                                                                                                   | Ta<br>Ha       |
| Escutcheons—                                                                                                                                                                            | H              |
| Wood                                                                                                                                                                                    | H              |
| Expansive Bits— See Augers and Bits.                                                                                                                                                    | _              |
| Farriers' Knives— \$ doz-<br>"Challenge"\$8.00                                                                                                                                          | Eı             |
| Popes 8.00 Wilkinson's \$8.00 net Wostenholm's \$8.25.10%                                                                                                                               | A d<br>Bu      |
| Wostenholm's                                                                                                                                                                            | St             |
| Brass Globe Cocks 65@65&54                                                                                                                                                              | ,              |
| Brass Racking                                                                                                                                                                           |                |
| Laver Handle Ribbs, Gr. Kv.                                                                                                                                                             | H              |
| Rgh                                                                                                                                                                                     | Si             |
| Red Cedar.       40@40&10%         Red Cedar, bbl. lots.       50%         Frary's Iron Petroleum       55@55&5%         John Sommer's "Peerless," Tin                                  | Ť              |
| John Sommer's "Peerless," Tin<br>Key40%                                                                                                                                                 | 86             |
| Key                                                                                                                                                                                     |                |
| Key                                                                                                                                                                                     | Be             |
| John Sommer's "Buckeye," Metal                                                                                                                                                          | M              |
| John Sommer's "Rochester," Metal<br>Key50%                                                                                                                                              | St.            |
| Key                                                                                                                                                                                     | St             |
| Key                                                                                                                                                                                     | Co             |
| John Sommer's "Union," Lock 50%<br>John Sommer's "I. X. L.," Cork                                                                                                                       | St             |
| John Sommer's "Reliable." Cork                                                                                                                                                          | W              |
| Lined                                                                                                                                                                                   | ··I            |
| John Sommer's "O. K" Cork                                                                                                                                                               | M              |
| John Sommer's "Chicago," Cork                                                                                                                                                           | <b>W</b>       |
| Lined                                                                                                                                                                                   | 86             |
| Star                                                                                                                                                                                    |                |
| Enterprise & doz. \$36.00                                                                                                                                                               | **             |
| Files-                                                                                                                                                                                  | 86             |
| DOMESTIC—<br>. New List. Nov. 1, 1899.                                                                                                                                                  |                |
| American                                                                                                                                                                                | D              |
| J. Barton Smith                                                                                                                                                                         | M              |
|                                                                                                                                                                                         |                |

| HARD                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disston's Superfine                                                                                                                                                                                                                             |
| Acorn                                                                                                                                                                                                                                           |
| Fish Hooks—<br>Amer. Fish Hook Co. list60@60&10%<br>Kirby & Limerick, low list (50c base).10%<br>Fish Scalers—                                                                                                                                  |
| Covert's Saddlery Works: Great American 60&20% Fitch's net prices Fluting Scissors—                                                                                                                                                             |
| List                                                                                                                                                                                                                                            |
| Boynton & Plummers60%                                                                                                                                                                                                                           |
| 0. 10. 1                                                                                                                                                                                                                                        |
| 1, 1899.     Barn or Ice Forks                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                 |
| may Header and Baier Forks, Four                                                                                                                                                                                                                |
| Potato Scoop Forks 50%<br>Shaving Forks 40&5%                                                                                                                                                                                                   |
| Foliato Scoop Forks 40.25% Shaving Forks 40.25% Sluice Forks 40.25% Socket Hay Forks, Four Tine 683,25% Socket Manure Forks, Four Tine 70% Socket Spading Forks, Four Tine, 70% 505.25% 708.25%                                                 |
| Spading Forks                                                                                                                                                                                                                                   |
| Spading Forks 7025 52 52 53 55 55 55 55 55 55 55 55 55 55 55 55                                                                                                                                                                                 |
| Fruit, Wine and Jelly Presses.<br>Enterprise                                                                                                                                                                                                    |
| Fry Pans                                                                                                                                                                                                                                        |
| # 1000 ft.  Hemp Fuse                                                                                                                                                                                                                           |
| See Hinges.                                                                                                                                                                                                                                     |
| Gauges—  Bemis & Call's Steel                                                                                                                                                                                                                   |
| 8tauley's                                                                                                                                                                                                                                       |
| \$2.00 net. |
| Gimlets—         "Diamond" Gimlets, # gr. \$4.00.2\$4.25         Donble Cut                                                                                                                                                                     |
| Gimlet Bits—<br>See Augers and Bits.                                                                                                                                                                                                            |
| Glass Cutters— "Woodward"                                                                                                                                                                                                                       |
| Globe and Racking Cocks—<br>See Faucets.                                                                                                                                                                                                        |
| Glue— Dodd's Liquid Glue                                                                                                                                                                                                                        |

| WARE                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Glue Pots —  Bnameled                                                                                                                                                                     |
| Graters— Enterprise                                                                                                                                                                       |
| Cronk's                                                                                                                                                                                   |
| P., S. & W. Co                                                                                                                                                                            |
| Gunpowder— . See Ammunition.                                                                                                                                                              |
| Gun Wads— See Ammunition. Hafts—                                                                                                                                                          |
| Britton's                                                                                                                                                                                 |
| Covert Mfg. Co:         Jute Rope Halters         35%           Sisal Rope         90%           Web Halters         45%                                                                  |
| Halter Chain—<br>See Chain.<br>Hammers—                                                                                                                                                   |
|                                                                                                                                                                                           |
| Magnetic Tack, Nos. 1, 2, 8 \$1.25,<br>\$1.50&\$1.75                                                                                                                                      |
| HANDLED HAMMERS— Humason & Beckley                                                                                                                                                        |
| Warner & Noble's New List25%                                                                                                                                                              |
| HEAVY HAMMERS AND SLEDGES—<br>Under 3 th                                                                                                                                                  |
| Wilkinson's Smiths94c@10c # b                                                                                                                                                             |
| Covert Mfg. Co.:         35%           Jute         30%           Sisal         20%                                                                                                       |
| Hand Cultivators—<br>Ulrich Mfg. Co.:<br>Osborne's # doz., \$15.00                                                                                                                        |
| Handles—                                                                                                                                                                                  |
| Handles—  IRON, WROUGHT OR CAST—  Chest Handles, Sargent's                                                                                                                                |
| 50&10%                                                                                                                                                                                    |
| Drawer Handles         60%           Ring Handles         70%           Roggin's Latches         .85@35&10%           Shelf Box Handles         .65%           Trunk Handles         .60% |
| STORE DOOR HANDLES-                                                                                                                                                                       |
| Bronzed, with Cylinder Lock  50@50&10%  Japanned, with Nuts                                                                                                                               |
| DOOD DITLE                                                                                                                                                                                |
| Bar         60@60&10%           Barn Door         50&10%           Chest and Lifting         60@60&10%           Drawer Pulls         50&10@60%           Plain B. M         60@60&10%    |
| Drawer Pulls                                                                                                                                                                              |
| WOOD— Auger, assorted ₩ gr. \$2.25@2.50 Auger, large ₩ gr. 8.00@3.25                                                                                                                      |
| wood— Anger, assorted \$ gr. \$2.25@2.50 Auger, large \$ gr. 8.00@3.25 Auger, Douglass' Pat., \$ get, No. 1, \$1.0 ; No. 2, \$1.40.60&10\$ Auger, Ives' Pat., No. 1,                      |
| Auger, Swan's Pat., \$\set\$, No. 8, \$1.00; No. 4, \$1.25                                                                                                                                |
| Disston's Crosscut                                                                                                                                                                        |
| Hammer, Hatchet, Axe, Sledge, etc.,                                                                                                                                                       |
| Hoe, Rake and Fork . 80&10@60&10&5% "Simplicity" File Handles, \$ gr. \$ .90@1.50 Saw and Plane                                                                                           |
| CBOSS-GUT SAW HANDLES— Atkins                                                                                                                                                             |
| Hangers-                                                                                                                                                                                  |
| Barn Door, old pattern                                                                                                                                                                    |
| Oronk's Roller Bearing.  No. 0                                                                                                                                                            |
|                                                                                                                                                                                           |

| <b>40&amp;</b> 10@50≴                           | Cronk's Steel, cov'd, Loose Axle.60&5%<br>Coburn                                     |
|-------------------------------------------------|--------------------------------------------------------------------------------------|
| .40@40&5%                                       | Barn Door, Standard                                                                  |
| 25@80≴                                          | Special                                                                              |
| 70%                                             | Standard.   \$\tilde{\theta}\$ set, net, \$\\$ .25@                                  |
| 50@50&10%<br>60&10&10%<br>50%                   | McKinney's "None Better," No. 2,                                                     |
| •                                               | dosen pairs                                                                          |
|                                                 | Harness Snaps—                                                                       |
| doz. \$6.50                                     | See Snaps.  Hasps and Staples—                                                       |
| 85%                                             | McKinney's "Perfect," \$1.10 \( \text{doz.50\%} \)  Wrought                          |
|                                                 | Hatchets—<br>See Axes.                                                               |
|                                                 | Hay Hooks—<br>Humason & Beckley 60&10%                                               |
| 40&10%                                          | Hay Racks— Baxter Wrought Iron, No. 1, \$1.00, uet; No. 2, \$1.50, net.              |
| \$1.25,<br>40&10\$<br>50&10\$<br>&5@40&10\$     | Hay Tools— F. E. Myers & BroNet prices.                                              |
| 40@40&10%<br>40&10%                             | Hay and Straw Knives-                                                                |
| 60&10%<br>45@45&10%<br>50&10%                   | Anburn Hay, Com. and Spear Point .50%<br>Iwan's Hay, Sickle Edge, & doz. net \$10    |
| 25%                                             | Iwan's Hay, Imp. Serrated & doz. net                                                 |
| 80@80&10 <b>%</b>                               | Lightning, from jobbers                                                              |
| 75&10@60\$<br> c@10c \ b                        | Hinges—                                                                              |
|                                                 | WROUGHT IRON HINGES—  6 to 12 in., \$ b,  81/2c.                                     |
| 35%<br>20%                                      | Screw Hook and Strap, 22 to 36 in., \$ b, \$c. 22 to 36 in., \$ b, \$\frac{2}{2}\$c. |
| oz., \$15.0°                                    | STRAP AND T HINGES.  New List, March 15, 1901.  Light Strap                          |
| T—<br>50&10s                                    | Light Strap                                                                          |
| 1, Door80c.70s                                  | Extra Heavy T                                                                        |
| \$1.85 \$1.50<br>50&10%                         | Corrugated Heavy Strap75&10%                                                         |
| 60%<br>70%<br>85@35&10%                         | Rommer's Brothers.                                                                   |
| 65%<br>60%<br>60&10%                            | Bommer Spring Hinges                                                                 |
| 50%<br>50@50&10%                                | GATE HINGES—<br>Clark's, Nos. 1, 2, 350&10@60&10%                                    |
| 45&10%<br>45&10%                                | N. E., Reversible, \$\psi\$ doz. \$5.6060%<br>N. Y. State, \$\psi\$ doz. \$4.9060%   |
| 45&10%<br>60@60&10%                             | Clark's, Nos. 1, 2, 3                                                                |
| 50&10%<br>60@60&10%<br>50&10@60%                | Clark's:<br>Lull & Porter, Nos. 0, 1, 114, 2, 214,                                   |
| 60@60&10%<br>60@60&10%                          | 870&10%<br>Mortise Gravity50%<br>Nos. 1.8.570&10%                                    |
| 70&10%<br>.60&10&10%                            | Nos. 40 and 50                                                                       |
|                                                 | 8                                                                                    |
| \$2.25@2.50<br>8.00@8.25<br>, No. 1,            |                                                                                      |
| 60&10%                                          | Hitching Cords— Covert Mig. Co                                                       |
| No. 8,<br>25&10%                                | Hoes-<br>Steel Goods Association List, Sept. 1,                                      |
|                                                 | 1900. Asphalt Hoss                                                                   |
| 50x<br>\$1.25@1.40<br>d, \$9 gr.<br>\$2.25@2.50 | 1900. Asphalt Hoes                                                                   |
| \$2.25@2.50<br>ge, etc.,<br>50&2%               | Harper's No. 7 Mortar Hoes65% Jersey Hoes                                            |
| <b>₽60&amp;10&amp;5%</b>                        | Ladies' Cotton Hoes75&10&7344<br>Laid Steel Edge Hoes25&5&24                         |
| \$ .90@1.50<br>40&10@50\$<br>Handle,            | Meadow and Rhode Island Hoes, 75& 5&2345                                             |
| 50@50&10s                                       | Harper's No. 7 Mortar Hoes                                                           |
| 45@45&10%                                       | 75&1244<br>Special Hoes                                                              |
| 60&10%<br>66%@70%                               | Tobacco Hoss                                                                         |
| per dozen.                                      | Truck Hoes                                                                           |
| **                                              | Hollow Augers—                                                                       |
| 60&10&5%                                        | See Angers and Bits.                                                                 |



| Hollow Ware—                                                                                    | N. J. Car Spring & Rubber Co.:<br>Extra Para                                                                                                             | Letter Box Plates-                                                                | Mitre Boxes-                                                                                                                 |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| gate Nickel Steel Ware, list July,                                                              | Reliable                                                                                                                                                 | Name Door Plate                                                                   | C. E. Jenninge & Co<br>Seavey's, \$\pi\$ doz. \$30                                                                           |
| Jan. 2, 1895                                                                                    | Standard70&10%                                                                                                                                           | Sargent's                                                                         | Mop Wringers-                                                                                                                |
| econd Quality, Agate Nickel Steel.65% econd Quality, Granite,                                   | Ice Awls, Chippers, &c.—                                                                                                                                 | Levels—                                                                           | Matchless (Canton, O.), ≱ doz\$2                                                                                             |
| 70&10@70&10&10%                                                                                 | Copeland Ice Pick gr. \$9.00 net<br>Crownnet                                                                                                             | C. E. Jennings & Co.'s:<br>Hexagon                                                | Motors-                                                                                                                      |
| Peppered Ware, high list                                                                        | Gem Ice Shavenet<br>Sargent's Ice Awis                                                                                                                   | Iron Bench, new design 25&10%                                                     | COFFEE MILL                                                                                                                  |
| ever Break Knameled50&5@50&10%                                                                  | Snell's                                                                                                                                                  | Lifters'                                                                          | Specialty Novelty Coesch \$                                                                                                  |
| STOVE HOLLOW-WARE—<br>round60&10%                                                               |                                                                                                                                                          | See Transom Lifters.                                                              | Nails—                                                                                                                       |
| nground                                                                                         | See Freezers, Ice Cream.                                                                                                                                 | Lines—                                                                            | WIRE AND OUT NAILS-                                                                                                          |
| WHITE ENAMELED-WARE—<br>oilers and Saucepans50@50&10%                                           | ice Shredders-                                                                                                                                           | Cotton and Linen Fish, Draper's 50%<br>Cotton Chalk, 20 feet                      | See Review of the Markets for quotations.                                                                                    |
| laslin Kettles 70&10@75&5%<br>inned Boilers and Saucepans,                                      | Enterprise, No. 88. 9 dos. \$6.00 . 25@30s                                                                                                               | Cotton Trot881/45                                                                 | Wire Nails and Brads, Papered, Ass't list, July, 1899                                                                        |
| 50@50&10 <b>%</b>                                                                               | No. 84. \$\pi\$ doz. 15.0025@809  Jack Chain—                                                                                                            | Masons':<br>Colored Cotton40&10                                                   | PICTURE—                                                                                                                     |
| SILVER-PLATED—<br>4 mo. or 5% cash in 80 days.                                                  | See Chain.                                                                                                                                               | Flax                                                                              | Brass Head, Combination list                                                                                                 |
| artford Silver-Plate Co40&5%<br>olmes & Edwards Silver Co.40&15&5%                              | Jack Screws—                                                                                                                                             | No. 0 to 5                                                                        | Niles' Patent Porcelain Head, Comb'n list                                                                                    |
| leriden Britannia Co40&5%<br>eed & Barton40&5%                                                  | See Screws.                                                                                                                                              | Silver Lake, Braided, No. 0, \$6.00<br>No. 1, \$6.50; No. 2, \$7.00; No. 8,       | Porcelain Head, Sargent's list                                                                                               |
| ogers & Brother40 &5%                                                                           | Kettles-                                                                                                                                                 | \$7.50 \( \text{gross} \) gross                                                   | FURRITURE— Antique Bronze                                                                                                    |
| impson, Hall, Miller & Co40&5%<br>Villiam Rogers Mfg. Co40&10%                                  | Spun Brass, Plain20@20&55                                                                                                                                | \$7.50 \$ gross                                                                   | China                                                                                                                        |
| Hooks—                                                                                          | Spun Brass, plated inside with White Metal                                                                                                               | Wire Clothes, 100 feet, No. 18, \$2.25;<br>No. 19, \$2.00; No. 20, \$1.75.        | Fire Glit                                                                                                                    |
| AGRICULTURAL—                                                                                   |                                                                                                                                                          | Loaded Shells—                                                                    | Nail Pullers—                                                                                                                |
| otato, all kinds                                                                                | Knives—<br>Ames':                                                                                                                                        | See Ammunition.                                                                   | Ajax, 5 hs                                                                                                                   |
| wa F. T. Co.'s Clam60&10&2145                                                                   | Bread Knives, ₩ doz \$1.5020%                                                                                                                            | Locks—                                                                            | Black Hawk, # doz                                                                                                            |
| ennings & Griffin's 88% &5%                                                                     | Butcher Knives                                                                                                                                           | DOOR LOCKS, LATCHES, &C.<br>Champion Night Latches                                | Cyclops                                                                                                                      |
| corn—<br>retzinger Cut-Ezy \$\varphi\$ doz. \$\varphi\$ net                                     | Cronk's Chopping 88163<br>Dunlap Kitchen and Bread Knives25%                                                                                             | Lockwood Mig. Co50%                                                               | Eureka, No. 75 doz. bet                                                                                                      |
| CAST IRON-                                                                                      | Foster Bros.' Butcher, &c                                                                                                                                | Moore's Elevator Door                                                             | Giant. No. 1. 30 doz. \$18.00: No. 134                                                                                       |
| ird Cage, Sargent's list60&10&10;<br>ird Cage, Reading60@60&10;                                 | Goodell's: Bread Knives Ass'n listnet                                                                                                                    | Reading Hardware Co                                                               | \$16.50; No. 2, \$15.00                                                                                                      |
| ird Cage, Williamson 50%<br>eiling, Sargent's list 50&10%                                       | Butcher net Shoe Knives 40%                                                                                                                              | Yalenet prices                                                                    | Pelican                                                                                                                      |
| Dangeller ?∩≠                                                                                   | E. Hartzell's 80&5%                                                                                                                                      | CABINET— Ragie Lock Co. 38144                                                     | Scranton Improved, in Case Lots:<br>Small, No. 8                                                                             |
| oat and Hat, Sargent's list50&10%                                                               | Hay and Straw, see Hay Knives. Table and Pocket, see Cutlery. Wilson's Butcher Knivesnet                                                                 | Eagle Lock Co.       381/4%         Corbin       881/4%         Yale       381/4% | " No. 8 B # doz. " No. 8 D # dos.                                                                                            |
| oat and Hat, Reading                                                                            |                                                                                                                                                          | PADLOCES-                                                                         | Large, No. 1                                                                                                                 |
| arness, Sargent's list 50@50&10%<br>amp                                                         | Knives, Hay and Straw-                                                                                                                                   | Acme Bicycle and Satchel, \$\text{9} doz., \$9.0040\$                             | " No. 2                                                                                                                      |
| cture75%                                                                                        | See Hay Knives.                                                                                                                                          | Ames Sword Co405                                                                  | " No. 2 D doz.                                                                                                               |
| rew Hat                                                                                         | Knobs-                                                                                                                                                   | Brown's Brass                                                                     | Nail Sots—                                                                                                                   |
| WROUGHT IRON AND STREET— Otton                                                                  | Bardsley's Wood Door, Shutter and Base                                                                                                                   | Champion                                                                          | Buck Bros                                                                                                                    |
| tton Pat. (N. Y. Mallet & Handle<br>Works)                                                      | Base. 10@15; Base, Rubber Tip, 214 in. Bead, \$\frac{3}{2}\text{gr.} \\ \frac{5}{2}\text{1.50} \\ \frac{5}{2}\text{carriage, Jap.} \text{9 gr. 80c. 60}; | Scandinavian                                                                      | Hamason's SM                                                                                                                 |
| ammock Hooks, E. C. Stearns,                                                                    | Carriage, Jap # gr. 80c. 60%                                                                                                                             | McWilliams                                                                        | Hunters' Cup Point, Knurled \$1                                                                                              |
| # dos                                                                                           | Door Por. Jap'd                                                                                                                                          | Wrought Iron 75&16@75&10&5%<br>Yale Lock Co net prices                            | Hunters' Cup Point, Knurled \$1<br>Hunters' Cup Point, Plain<br>Octagon                                                      |
| icture, T. & S. Mfg. Co                                                                         | Door Por. Nickel \$2.00@2.25<br>Picture, Judd's 50&10%                                                                                                   | TRUNK-                                                                            | Round, assorted                                                                                                              |
| See Wrought Goods                                                                               | Picture, Sargent's                                                                                                                                       | Corbin's                                                                          | Snell's:                                                                                                                     |
| MEAT—<br>nterprise40%                                                                           |                                                                                                                                                          | Eagle                                                                             | Octagon                                                                                                                      |
| umason & Beckley80&10%                                                                          | Latches—                                                                                                                                                 | Machine Bolts—<br>See Bolts.                                                      | Knurled 9                                                                                                                    |
| tlas Coat and Hat.                                                                              | Cronk's Barn Door Net, \$2.25<br>Lane's Barn Door                                                                                                        | •                                                                                 | Nippers-                                                                                                                     |
| rescent, Coat and Hat50&10@60g                                                                  | Lawn Mowers—                                                                                                                                             | Mail Boxes—<br>See Boxes, Mail.                                                   | Acme                                                                                                                         |
| 7ire Coat and Hat, Acme50&10@50<br>&10&55                                                       | Champion                                                                                                                                                 | Mallets—                                                                          | Smith's Cutting                                                                                                              |
| fire Coat and Hat, Gem50&10@50                                                                  | Clipper Improved50&10&10&5                                                                                                                               | Sargent's List:                                                                   | Nut Crackers— Pg                                                                                                             |
| #10&5%<br>Fire Celling, Gem50&10@50&10&5%                                                       | Confinental                                                                                                                                              | Hickory                                                                           | Acme, Japanned                                                                                                               |
| ire Coat and Hat, Standard45%                                                                   | Genuine Philadelphia Mowers: Styles M., S., C., K., T70&103                                                                                              | Mattocks—                                                                         | Acme, Nickel Plated 30.00<br>Turner & Seymour Mfg. Co                                                                        |
| overt Mfg. Co.:<br>Safety Gate and Scuttle Hooks855                                             |                                                                                                                                                          | Cronk's Garden                                                                    |                                                                                                                              |
| rass No. 2, \$1.65; 8, \$1.80; 4, \$2.00                                                        | Style E., Low Wheel                                                                                                                                      | Regular Goods                                                                     | Nuts— Of i                                                                                                                   |
| ooks and Eyes—Brass                                                                             | Gold Coing, low list                                                                                                                                     | Meat Cutters—                                                                     | Hot pressed, square, blank                                                                                                   |
| otton, Box and Hay60@60&10%                                                                     | (drest American 70@70&&d                                                                                                                                 | American                                                                          | Hot pressed, square, tapped                                                                                                  |
| Horse Clippers—<br>e Clippers.                                                                  | Imperial                                                                                                                                                 | Each\$5 \$7 \$10 \$25 \$50 \$60                                                   | Cold punched, plain, square, blank (Cold punched, hexagon, square,                                                           |
| Horse Nails-                                                                                    | Pastime:                                                                                                                                                 | Nos 1 8 8 4                                                                       | blank                                                                                                                        |
| Nos. 6 7 8 9 10                                                                                 | 12 in. 14 in. 16 in.<br>\$6.00 \$6.25 \$6.50 each net<br>Pennsylvania                                                                                    | Enterprise                                                                        | tapped                                                                                                                       |
| C25c 28c 29c 21c 21c40 & 5s<br>nerican, all sizes1014c net                                      | Pennsylvania60&10%                                                                                                                                       | Enterprise                                                                        | Cold punched, plain, hexagon, tapped                                                                                         |
| Nos. 6 7 8 9 10<br>isable 28c 26c 25c 24c 28c .50&10x                                           | Lawn Sprinklers—                                                                                                                                         | Hales Pattern, # doz70@?0&5%                                                      |                                                                                                                              |
| B. K 25c 28c 22c 21c 21c 40x                                                                    | Enterprise                                                                                                                                               | Nos                                                                               | Ollers-                                                                                                                      |
| pewell 19c 18c 17c 16c 16c 10&5s<br>amplain 28c 26c 25c 24c 23c                                 | Philadelphia Lawn Sprinkler:                                                                                                                             | Little Glant                                                                      | Brass and Copper                                                                                                             |
| inton Fin . 19c 17c 16c 15c 14c 30&5%                                                           | No. 1. No. 2. No. 8.<br>\$ doz. \$12.00 \$15.00 \$24.0080%                                                                                               | Nos 305 810 812 820 822<br>\$85 \$48 \$44 \$72 \$68                               | Gem\$                                                                                                                        |
| sex28c \$6c 25c 24c 23c                                                                         | Leaders—                                                                                                                                                 | \$35 \$48 \$44 \$72 \$68 Miles' Challenge, \$4 doz45@45&10\$ Nos                  | Perfect Oilers                                                                                                               |
| 7a, all sizes                                                                                   | Covert Mfg. Co. Cattle45%                                                                                                                                | 352 350 3540                                                                      | "Paragon," Brass                                                                                                             |
| and S 25c 28c 29c 21c 21c 50%<br>eponset, Nos. 5 to 10, & b 12c.<br>orthwestern 25c 28c 22c 20c | Lead Pipe, Etc. % b                                                                                                                                      | Woodruff's, \$2 doz                                                               |                                                                                                                              |
| orthwestern 25c 28c 22c 21c 20c 25@25&5s                                                        | Lead Pipe, full lengths614c                                                                                                                              | \$15 \$18<br>Beef Shavers (Enterprise) 25@30%                                     | Wilmot & Hobbs Mfg. Co.'s Steel Anti Rust                                                                                    |
| tnam 28c 21c 20c 19c 18c 381/45<br>llcan 28c 21c 20c 19c 18c . 25&10s                           | Lead Pipe, cut lengths                                                                                                                                   | Chadborn's Smoked Beef Cutter                                                     | Zinc and Tin                                                                                                                 |
| Horse Shoes-                                                                                    | Block Tin Pipe                                                                                                                                           | Meat Juice Extractors—                                                            | Oil Stones, etc.—                                                                                                            |
| orse and Mule. Iron, per keg. 48 60                                                             | Officer Tream' car Louis                                                                                                                                 | Enterprise                                                                        | OIL STONES-                                                                                                                  |
| Steel, per keg                                                                                  | Quantity discount, 20%                                                                                                                                   | Metals, Anti-Friction-                                                            | Pike's Washita:                                                                                                              |
| Horse Ties-                                                                                     | Lemon Squeezers—                                                                                                                                         | Magnolia Metal Co.: 39 h                                                          | Lily White, # b                                                                                                              |
| vert Mfg. Co.:                                                                                  | Berger Bros. % doz. 8-in. \$1.00; 10-in,<br>\$1.40                                                                                                       | Magnolia, Anti-Friction 25c<br>No Name 15c                                        | 8x2                                                                                                                          |
| Cotton                                                                                          | \$1.40. Dean's, Nos. 1, \$\vec{v}\$ doz. \$6.50; 2, \$8.85; \$, \$1.65; Queen, \$2.50, net Hotchkies, Straight Flush, \$\vec{v}\$ doz. \$9.60            | Mystic                                                                            | 6x2                                                                                                                          |
| Juta                                                                                            | Hotchkise, Straight Flush, # doz. \$9.60                                                                                                                 | f. o. b. New York or Chicago.                                                     | 4x11/4 7.<br>81/4x1 5.                                                                                                       |
| Sign                                                                                            |                                                                                                                                                          |                                                                                   | 099A1 5                                                                                                                      |
| Sisal20%                                                                                        |                                                                                                                                                          | Melting Ladles—                                                                   | Discount, 8816&10s.                                                                                                          |
| Hose, Rubber— seton Belting Co.:                                                                |                                                                                                                                                          | Monroe's Patent dos. \$4.00, 40%<br>P. S. & W                                     | Discount, 55%&10g. Pike's Washita Axe Stones:                                                                                |
| Sisal20%<br>Hose, Rubber—                                                                       | Jennings' Star \$\psi dos. \$1.90\hat{\tilde{0}}2.00 Little Glant                                                                                        | Monroe's Patent 9 dos. \$4.00, 40%                                                | Discount, 85% & 10g. Pike's Washita Are Stones: About 2x2x34 to 134, \$\Pi\$ a About 2x2x34, extra selected Discount, 38344. |



| MARCH 10, 1902.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| Packing, Steam—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |
| BUBBER— Boston Belting Co.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | į |
| "Excelsior" Plumbago, Pure, \$60 to \$1.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |
| Standard, Fair Quality70&10@75%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |
| American Packing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   |
| MISCELLANBOUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |
| Padlocks—<br>See Locks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| Parers—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| Advance \$ 4.50<br>Reidwin 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |
| Bonanza                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| Family Bay State                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   |
| Introduction   Interest   Interest | • |
| Reading, 78 4.00 Reading, 78 7.00 Scott's Pat Rotary \$15.00, 905                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |
| POTATO—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| Pencils Dixon's: \$\circ\$ gro.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |
| Carpenter's\$1.67@8.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |
| Carpenter's, Bine or Red Lead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |
| Percussion Caps— See Ammunition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |
| Picks and Mattocks—<br>List Feb. 23, 1899.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |
| Railroad or Adze Eye 60, 10&5@70%  Planes and Plane Irons—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |
| WOOD PLANES— Bailey's (Stanley R. & L. Co.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |
| Bench, First Quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |
| Chaplin's Iron Planes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |
| Sargent's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |
| Bailey's25&10@25&10&10%<br>Miscellaneous25&10@25&10&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| PLANE IBONS— Auburn "Thistle" 80&5@30&10&5s, 8andusky                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |
| Buck Bros                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |
| \$0001000000000000000000000000000000000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| L. & I. J. White20&5@25\$  Pliers and Nippers—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |
| Button's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |
| Button Pattern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |
| Gas Pliers, No. 100. 40%<br>Stubb's Pat. Pliers. 50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |
| Humason & Beckley Mfg. Co.50@50&10s<br>Wm. Johnson's Gas Pliers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |
| Cronk's: Button Pattern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| pers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 |
| Plow Bolts—<br>See Bolts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |
| Plumbs and Levels— Cook's 40&10&10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
| Davis': Inclinometers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |
| Diston's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |
| Stanley's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |
| Poachers—<br>See Egg Poachers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |
| Police Goods— Tower & Lyon's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | , |

| Polish Metal-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prestoline Liquid, New List408<br>Prestoline Paste883-6@408                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| % doz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 16-lb. boxes, \$\pi\$ dos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| U. S. Metal Polish Paste, 3-os. Doxes, 9 doz \$.50 \$\forall \text{gross} \tag{270ss} \tag{4.50} \$\forall \text{gross} \tag{2.50} \$\fo |
| ₩ gross 18.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Polish, Stove— Dixon's Plumbago                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Dixon's Plumbago                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Poppers, Corn—  Round or square, \$\pi\$ doz. \$\pi\$ gro.  1 qt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 112 qt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Post Hole Diggers 2 dos.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Disston's Samson Digger\$34.00, 255<br>Iwan's Split Handle, & doz. net\$8.50<br>Iwan's Perfection, & doz. net\$9.00<br>Byan's Add Samson Digger\$9.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Lyan B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Post Hole Augers—<br>Iwan's Patent Improved40%<br>Vaughan's, 6 to 9 in., \$\pi\$ doz. net\$6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Potato Hooks, etc.—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Hoe Down Hooks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Powder—<br>See Ammunition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Presses— See Fruit and Jelly Presses.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Primers—<br>See Ammunition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Pruning Hooks and Shears—<br>Cronk's Pruning Shears88365                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cronk's Heavy Pattern, & doz., \$2.50 net<br>Disston's Combined Pruning Hook                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cronk's Pruning Shears                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Pruning Shears 50% 5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Grape                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Orange                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| tion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 40@40 &10e                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Awning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clothes Line, Japanned       60%         Common Sense       60%         Dumb Waiter       60@60&10%         Empire Sash Pulley       60%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Nos. 8 & 7, 2½-inch wheel, \$\pi\$ doz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Extra for plated finish, \$\psi\$ doz20c Extra for antique bronze bushing, \$\psi\$ doz10c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Hay Fork, Swivel Eye, \$\pi\$ dos., 4-inch, \$3.75; 8-inch, \$5.0055\$ Hay Fork, Hartz, 4\pi_inch, \$\pi\$ dos., 50\pi_inch, \$\pi\$ dos., 50\pi_inch, \$\pi\$ dos., 50\pi_inch, \$\pi\$ dos.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| \$6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| \$6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Stowell's Anti-Friction, 6-in. Wheel,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Pitcher Spout, Best Grades .70&10@75%<br>Power Pumps, Myers'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cistern, Best Grades                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Well Pump\$18.00<br>No. 8, Fig. 828, 814 in. Shallow<br>Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| No. 5, Fig. 807, 8 in. Deep Well Pump. 15.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| No. 614, Fig. 807, 814 in. Deep<br>Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| No. 5, Fig. 307, 3 in. Deep Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| No. 56, Fig. 331, 3 in. Shallow Well Pump. 14.00 No. 59, Fig. 382, 8½ in. Shallow Well Pump. 17.00 No. 70, Fig. 383, 2½ in. Deep Well Pump. 15.00 No. 72, Fig. 338, 3 in. Deep Well Pump. 15.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| Polish Metal—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | No. 128, Fig. 510, 8 in. Lift                                                                                                                                                                                                                                                                                                            | Co       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| stoline Liquid, New List405<br>stoline Paste881/6@405                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Pump                                                                                                                                                                                                                                                                                                                                     | 1        |
| S. Metal Polish Paste, 8-os. boxes,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | We con Pier 990 Windmill                                                                                                                                                                                                                                                                                                                 | •        |
| gross                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Pump                                                                                                                                                                                                                                                                                                                                     | Ju       |
| Ib, boxes, \$\vartheta\$ dos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pump. 12.50 No. 235, Fig. 408, Windmill Pump. 16 00 No. 240, Fig. 466, Regulator                                                                                                                                                                                                                                                         | M        |
| Stoline Passe   Soline   So | No. 340, Fig. 466, Regulator Pump.  No. 365, Fig. 872, Cyclone Tank Force Pump.  No. 367, Fig. 483, Geyser Tank Force Pump.  No. 368, Fig. 518, Low Down Tank Force Pump.  No. 302, Fig. 477, Spray Pump, complete.  No. 380, Fig. 492, Bucket Spray Pump Pump.  No. 380, Fig. 547, Knapsack Spray Pump  Discount, 508 f. o. b. Ashland. |          |
| rkeeper's Friend Metal Polish,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Force Pump                                                                                                                                                                                                                                                                                                                               |          |
| 3 doz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Force Pump                                                                                                                                                                                                                                                                                                                               | Si       |
| Polish, Stove—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Tank Force Pump 16.00                                                                                                                                                                                                                                                                                                                    |          |
| xon's Plumbago # h<br>seph Dixon's # gro. \$5.75, 105<br>m # gro. 4.50, 105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No. 302, Fig. 477, Spray Pump, complete                                                                                                                                                                                                                                                                                                  |          |
| Poppers, Corn—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No. 820, Fig. 492, Bucket Spray                                                                                                                                                                                                                                                                                                          | A        |
| and or square, \$ doz. \$ gro.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No. 880, Fig. 547, Knapsack                                                                                                                                                                                                                                                                                                              | Be<br>Iv |
| und or square, \$ doz. \$ gro. qt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Discount, 50s f. o. b. Ashland.                                                                                                                                                                                                                                                                                                          | L        |
| igt 1.15 10.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | runenes—                                                                                                                                                                                                                                                                                                                                 | M        |
| 3.00; 2 qt., \$4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Bemis & Call Co.'s:<br>Cast Steel Drive50&5#                                                                                                                                                                                                                                                                                             | 81       |
| Post Hole Diggers- \$\pi\ dos.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Check                                                                                                                                                                                                                                                                                                                                    |          |
| sston's Samson Digger\$84.00, 255<br>an's Split Handle, & doz. net\$8.50<br>an's Perfection, & doz. net\$9.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Springfield Socket. 65% Morrill's Universal 85% Niagara Hollow 45%                                                                                                                                                                                                                                                                       | C        |
| an's Perfection, # dez. net\$9.00<br>an's # doz. \$20.00, 25#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Niagara Hollow                                                                                                                                                                                                                                                                                                                           | C        |
| Post Hole Augers—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Saddlers' or Drive, good60@65%                                                                                                                                                                                                                                                                                                           | E        |
| an's Patent Improved40%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Spring, good quality, \$\pi \doz., \$1.70@1.80                                                                                                                                                                                                                                                                                           | _        |
| ughan's, 6 to 9 in., \$ doz. net \$6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Niagara Hollow Niagara Solid                                                                                                                                                                                                                                                                                                             | 84       |
| Potato Hooks, etc.—<br>be Down Hooks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ₹ doz \$1.44, 50%<br>Tinners' Hollow, P. S. & W. Co                                                                                                                                                                                                                                                                                      | 10       |
| op Hooks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rail—                                                                                                                                                                                                                                                                                                                                    | В        |
| Powder—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Barn Door, Light, In. 1/4 5/6 5/4 20 1.00 feet                                                                                                                                                                                                                                                                                           |          |
| • Ammunition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Barn Door "None Retter" No. 1.                                                                                                                                                                                                                                                                                                           | B        |
| Presses—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Barn Door, "None Better" No. 2,                                                                                                                                                                                                                                                                                                          |          |
| e Fruit and Jelly Presses.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | \$\psi\$ foot N. E. Hangers: Angular, \$\psi\$ foot, \$c\$  Double Flange, \$\psi\$ foot, \$c\$  Carrier Steel Rail. \$\psi\$ foot. \$44c\$                                                                                                                                                                                              |          |
| Primers— e Ammunition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Angular, & foot, 6c70s<br>Double Flance & foot, 8c70s                                                                                                                                                                                                                                                                                    | C        |
| Pruning Hooks and Shears—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Charlet 39 foot.                                                                                                                                                                                                                                                                                                                         |          |
| onk's Pruning Shears881/65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Cronk's: \$ 100 C. O. N. T. Style, No. 18                                                                                                                                                                                                                                                                                                | G        |
| onk's Pruning Shears                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lane's: \$9 100 ft.                                                                                                                                                                                                                                                                                                                      | M<br>R   |
| and Saw                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | O. N. T., 1 in                                                                                                                                                                                                                                                                                                                           | 8        |
| enry s.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Danies   \$100 ft.                                                                                                                                                                                                                                                                                                                       | C        |
| Denning Sheers 506 55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sliding Door, Bronzed Wrought                                                                                                                                                                                                                                                                                                            | C        |
| Orange                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Sliding Door, Steel, Brase Plated,                                                                                                                                                                                                                                                                                                       | P        |
| S. Lee & Co.'s Pruning Tools40%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Sliding Door, Wrought Brass, 11/2 in.,                                                                                                                                                                                                                                                                                                   | 9<br>8   |
| Tree Pruners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | © h, 86c. 10@205<br>Victor Track Rail, 7c ≥ ft60&10&21.65                                                                                                                                                                                                                                                                                | _        |
| tion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Rakes, Etc.—                                                                                                                                                                                                                                                                                                                             |          |
| Pulleys—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Cronk's: Wrought Steel Garden60&205                                                                                                                                                                                                                                                                                                      |          |
| wning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Queen City Lawn                                                                                                                                                                                                                                                                                                                          |          |
| xie                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Steel Garden Rakea Stamped Blank. 195                                                                                                                                                                                                                                                                                                    | 9        |
| eiling50@10&60%<br>lothes Line, Japanned60%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Steel Road Rakes                                                                                                                                                                                                                                                                                                                         |          |
| ommon Sense                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Turi Edger                                                                                                                                                                                                                                                                                                                               |          |
| mpire Sash Pulley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Peerless Shank                                                                                                                                                                                                                                                                                                                           | U        |
| Nos. 8 & 7, 214-inch wheel, \$\pi\$ dos\$5c<br>No. 9, 134-inch wheel, \$\pi\$ doz20c<br>No. 10, 2-inch wheel, \$\pi\$ doz25c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Level Head Shank70&5&2%                                                                                                                                                                                                                                                                                                                  | ۲        |
| No. 10, 2-inch wheel, # doz 25c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rasps, Horse—                                                                                                                                                                                                                                                                                                                            | ١        |
| Extra for plated finish, \$\psi\$ doz20c  Extra for antique bronze bushing,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Disston's                                                                                                                                                                                                                                                                                                                                | 8        |
| \$ doz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | See also Files.                                                                                                                                                                                                                                                                                                                          | 8        |
| 4-inch, \$8.75; 6-inch, \$5.0055%<br>(ay Fork, Hartz, 414-inch, \$9 doz.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Razors—<br>ElectricList net                                                                                                                                                                                                                                                                                                              | 8        |
| \$6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Electric List net "John Engstrom" net prices FOX 40% J. R. Torrey Razor Co. 20% West-polyment Butcher \$10.00 to                                                                                                                                                                                                                         | Š        |
| 4-linch, \$5.76; 6-linch, \$0.00<br>ay Fork, Hartz, 414-linch, \$0.02,<br>\$6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | J. R. Torrey Razor Co                                                                                                                                                                                                                                                                                                                    | •        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                                                                                                                                                                                                                                                                                                                                        | 9        |
| Side, Anti Friction       50%         hade Rack       45%         pright       50&10@50&10&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Registers and Ventilators—                                                                                                                                                                                                                                                                                                               | į        |
| <b>D</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | HOT AIR—<br>New List Sent 9 1901:                                                                                                                                                                                                                                                                                                        | I        |
| Pumps—<br>istern, Best Grades60@60&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | HOT AIR— New List, Sept. 2, 1901: Black Japanned 60&10&5@70% White Japanned 60&10&5@70%                                                                                                                                                                                                                                                  |          |
| itcher Spout, Best Grades .70&10@75%<br>ower Pumps, Myers'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Bronzed Finishes 60&10&5@70%                                                                                                                                                                                                                                                                                                             | 1        |
| pray Pumps, Myers'50&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Nickel Plated                                                                                                                                                                                                                                                                                                                            | •        |
| No. 1, Fig. 828, 8 in. Shallow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | White Porcelain                                                                                                                                                                                                                                                                                                                          |          |
| tatern, Best Grades                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Rings—                                                                                                                                                                                                                                                                                                                                   | _        |
| No. 5, Fig. 807, 8 in. Deep Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | See Bull and Hog Rings.                                                                                                                                                                                                                                                                                                                  | 1        |
| No. 616, Fig. 307, 816 in. Deep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rivets and Burrs-                                                                                                                                                                                                                                                                                                                        |          |
| Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Belt with Burrs                                                                                                                                                                                                                                                                                                                          | ,        |
| Shallow Well Pump 15.00<br>No. 82 Fig. 523. 8 in. Deep Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | List, Nov. 1, 1894.                                                                                                                                                                                                                                                                                                                      |          |
| No. 58, Fig. 383, 3 in. Shallow Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Ordinary in hulk 70/07/08/210%                                                                                                                                                                                                                                                                                                           | 1        |
| Well Pump 14.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Thousand, in bulk                                                                                                                                                                                                                                                                                                                        |          |
| Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Block and Carriage, in papers.                                                                                                                                                                                                                                                                                                           |          |
| No. 70, Fig. 858, 216 in. Deep<br>Well Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10@10210%                                                                                                                                                                                                                                                                                                                                |          |
| No. 72, Fig. 888, 8 in. Deep Well<br>Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Hame                                                                                                                                                                                                                                                                                                                                     |          |
| No. 78, Fig. 888, 814 in. Deep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Rivet Sets—                                                                                                                                                                                                                                                                                                                              |          |
| No. 102, Fig. 448, 8 inch Lift                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Regular List                                                                                                                                                                                                                                                                                                                             |          |
| No. 108, Fig. 448, 814 in. Lift                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rollers-                                                                                                                                                                                                                                                                                                                                 |          |
| Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lane's, Stay831/4%                                                                                                                                                                                                                                                                                                                       |          |

|          | Cotton Rope, Best, 1816-1446 14 inch and larger 1816-1446 Medium, 14 in. and larger 116-1146 Common, 14 in. and larger 96 9146                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | Jute Rope: A grade. 614c C grade. 6 c Manila:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|          | Manila:     18 c       7-16 in. and larger     18 tc       36 in     18 4 c       16 and 5-16 in     14 c       Hay Rope, Medium     18 c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|          | Sisal:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|          | Rules—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|          | Athol, Steel 88446  Boxwood 60@60&10g  Ivory 85&10@35&10&10g  Lufkin's:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|          | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|          | Sad Irons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|          | COLD HANDLED— Enterprise Mfg. Co. of Pa 30&5% Safety Fuse—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|          | See Fuse. Safety Lifts— Burr Mfg. Co., Steel70&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|          | Sand and Emery Paper and<br>Cloth—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|          | Baeder, Adamson & Co.'s:       List.         Emery Cloth.       50&10.460%         Garnet Paper       30@30&5%         Sand and Emery Paper       50&10@60%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|          | Sash Balances—<br>Caldwell Mfg. Co50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|          | Sash Chaln—  Competition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|          | Giant.   40%   Monarch   40&10%   Red Metal   40&10%   Steel   40&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|          | Sash Cord— Cable Laid Italian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|          | Cable Laid Italian \$\ \bar{\text{th}} \ \bar{\text{18c}} \ \text{Cable Laid Russia}  \text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\texititt{\$\text{\$\text{\$\text{\$\texititt{\$\text{\$\text{\$\texi\exititt{\$\text{\$\text{\$\text{\$\text{\$ |
|          | "Mass." White, Cotton2214@24c "Samson" Braided White, Cotton "B 182814@30c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|          | "Samson" Braided Drab, Cotton<br>\$15.3314@35c<br>"Samson" Braided Italian Hemp<br>\$15.3214@35c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|          | "Samson" Braided Linen # 15.50@55c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|          | Silver Lake:  A Quality, Drab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|          | B Quality. 9 h 184c<br>C Quality. 9 h 174c<br>White Cotton, Hard Braided 9 h 18c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|          | Sash Fasteners, Holders, &c.         Sash Lifts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|          | Sash Lifts       .60&10&10,         Sash Lifts Flush       .50,         Sash Lifts With Lock       .60&10&10,         Sash Rollers       .70%         Shutter Bars       .60&10@70,         Shutter Sheaves       .60%         Window Screen Sash Lifts       .60%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|          | Seeb Tooks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|          | Champion Meeting Rail 70% Champion Side 60% Davis, Bronze, Barnes Mfg. Co 50% Elting ventilating 40% Fitch's: 70%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|          | Bronze and Brass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|          | Wrought Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|          | Yes   Patent:   60%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <u>ا</u> | Sash Weights— Small lots                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>.</b> | Sansage Stuffers or Fillers-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>K</b> | Draw Cut, No. 4each \$30.00, 20% Enterprise Mfg. Co25@25&7/4% National Specialty Mfg. Co25% Saws—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| K<br>K   | Atkins:  Band 7 to 14 in. Wide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ×<br>×   | Atkins:  Band 7 to 14 in. Wide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| *        | Gang                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

|                                                                                                                    |                                                                                | WARE                                                                                       | MARCH 10, 1902.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disston's:<br>Circular, Solid and Inserted Tooth .50                                                               | Screw Drivers-                                                                 | Stowell's Anti-Friction50%                                                                 | Holmes & Edwards50&10&10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Band 8 in. to 14 in. Wide 606                                                                                      | Diaco Screw Drivers25&10&59                                                    |                                                                                            | German Silver, unplated505                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Band 14 in. to 234 in                                                                                              | Champion Strew-Driver Bits2714                                                 |                                                                                            | ENIVES AND FORES FO. 13-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Mulay, Mill and Drag50                                                                                             | Disston's Flat Blade, Electric, Tele-                                          |                                                                                            | 10 1 0 4 7 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Framed Wood Saws855<br>Wood Saw Blades400                                                                          | Electric Spiral No. 01 . % doz. \$6.00 net                                     | SLIDING SHUTTER— Reading list                                                              | "Eagle" \$.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Wood Saw Roda ana                                                                                                  | , Dioce to Opital No. Us 48 (IOZ. D.(II) hat                                   | R. & E. Mfg. Co.'s 60@60&10%                                                               | "Anchor" 2.25 " Eagle" 2.25 " Star" 3.25 Rogers, Smith & Co. 8.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Hand Saws, Nos. 12, 99, 9, 16, D100, D8, 130, 76, 77, 8. 25, Hand Saws, Nos. 7, 107, 10734, 8, 1, 0.00 Combination |                                                                                |                                                                                            | Rogers & Hamilton 8.25<br>Holmes & Edwards 2.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 0, 00, COMDINATION                                                                                                 | Howard-Allard                                                                  | Shells<br>See Ammunition.                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Compass, Keyhole, Pruning, Dove-<br>tail, &c25                                                                     | Jennings & Criffin                                                             |                                                                                            | Springs—<br>See Door Springs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Butcher Saws and Blades 854<br>Haines' Needle Point 405                                                            | \$18.50 net: No. 2 20 doz                                                      |                                                                                            | Spring Balances—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| C. E. Jennings & Co.'s:                                                                                            | No. 1 Forg. Riede Managasasaasa                                                | Shovels and Spades—                                                                        | See Balances.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Butcher                                                                                                            |                                                                                | Association prices to small trade.  No. 2, Polished, Square or Round Point, D or L Handle: | Contract to the contract of th |
| Peace: 25@30x                                                                                                      |                                                                                |                                                                                            | Spring Hinges—<br>See Hinges.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Cross Cuts                                                                                                         | No. 64, Varnished Handles60&10x<br>No. 86                                      | 1st Grade. 8d Grade                                                                        | Squares                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Hand Panel and Rip25&10%<br>Richardson:                                                                            | No. 86                                                                         | Plain Back \$10.50 \$9.60<br>Strap Back 9.90 9.00                                          | Disston's Try Square and T Bevela,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Circular and Mill50@50&10%<br>X Cuts45&10%                                                                         | Champion                                                                       | Cleveland Pattern. 10.20 9.80 C8, D4,                                                      | 60 & 10 s<br>Starrett's Micrometer Caliper, Squares,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Hand Saws                                                                                                          | Machiniete'                                                                    | 8d Grade. 4th Grade<br>Plain Back \$8.70 \$8.10                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| woodrough & McParlin Cross Cuts                                                                                    | Williamson's                                                                   | Strap Back 8.10 7.50                                                                       | Try Square and T Bevel 60&10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 45&10%<br>HACK SAWS AND FRAMES—                                                                                    | Beauty, \$\psi \doz                                                            | Cleveland Pattern. 8.40 7.80 All other sizes, add 80c. dos.                                | Winterbottom's Try and Mitre 40&10s<br>Nickel-Plated. New List Jan. 5,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Chatillon                                                                                                          | C. T. Williamson Wire Novelty Co40%                                            | Black, deduct 80c. doz.                                                                    | 1900                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Concave Blades                                                                                                     | Sorews-                                                                        | Shovels and Tongs— Brass Head                                                              | Staples                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| cnine Blades                                                                                                       | WOOD SCREWS—<br>List, January 1, 1900.                                         | Iron Head60&10@60&10&5%                                                                    | Barbed Blind-16, 56, and 86 inch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Hack Saw Frames80%<br>Griffin's:                                                                                   | Drive Screwe Diamond Doing Drive                                               | Shutter Bars—                                                                              | FENCE-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Complete 40@45                                                                                                     | fron, Bright Flat Head8736(290%<br>Iron, Bright Round and Oval Head            | [ves'45%                                                                                   | Same price as Barb Wire. See Trade                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Saw Blades 40%<br>Star, Saws and Blades 25%                                                                        | Brass, Flat Head 85@87148                                                      | Shutter Bolts—                                                                             | Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Saw Filer-                                                                                                         |                                                                                | See Bolts, Shutter. Sifters, Flour—                                                        | Stay Bollers-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Disston's D8 Clamp and Guide, \$80.00<br># doz25%                                                                  | Brouze, Flat Head                                                              | Hunter's Genuine gross, \$10@\$11.50                                                       | Cronk's, No. 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                    | Nickel Plated, Iron Flat Head 75@80%<br>Nickel Plated, Iron Round Head. 75@80% | Skate Sharpeners—                                                                          | " No. 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Saw Frames—<br>C. B. Jennings & Co201                                                                              | MACHINE—<br>List, January 1, 1898.                                             | Eureka 🕸 doz. \$1.75 ; 🕸 gro. \$18.00                                                      | Steels—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Richardson's Wood                                                                                                  | Brass, Flat Head                                                               | Slaw and Kraut Cutters-                                                                    | Chatillon's 30s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Saw Sets-                                                                                                          | Iron. Flat Head                                                                | Disaton's:                                                                                 | Stocks and Dies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Atkins:                                                                                                            | 110H, 100HH Head50%                                                            | Slaw, Vegetable, Corn Grater, Tur-<br>nip Shredder40%                                      | Holroyd & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Criterion Saw Sets doz. \$6.00<br>Excelsior Saw Tools doz. 6.00                                                    | G. P. Coach. List, Feb. 14, 1895.                                              | Kraut Cutters, 24x7, 26x6, 30x955%<br>Kraut Cutters, 36x12, 40x19                          | BLACKSMITH's-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                    | Hand Rail 75&10%                                                               | Enterprise Mfg. Co                                                                         | Butterfield's35@40g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cross Cut                                                                                                          |                                                                                | Tincker & Dorses                                                                           | Holroyd & Co. 40g50s<br>Lightning Screw Plate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Spring Hammer. 80&5%<br>Disston's Monarch. Nos. 1 & 10 and<br>Star.                                                | Cone Point                                                                     | 1 Knife                                                                                    | Reece's New Screw Plates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                    | Bench, Iron, # doz., 1 in., \$8.25; 114, \$8.50; 114, \$4.25                   | Kraut Cutters                                                                              | PIPE MARWES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Kohler's:                                                                                                          | Chair, 17 004, Doct & 402. 2.40                                                |                                                                                            | Holroyd & Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| "Giant Royal" \$\pi \text{doz. \$9.00} "Royal" \$\pi \text{doz. 6.00}                                              | Chair                                                                          | Sledges and Heavy Hammers—<br>See Hammers.                                                 | See Oilstones.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 99122                                                                                                              | Bearing Millers Falls, Roller                                                  | Slicers-                                                                                   | Stops-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| No. 1. \$15.00: No. 10. \$15.50: No. 11                                                                            | Roller Bearing                                                                 | Vegetable, Enterprise 25%                                                                  | See Bench Stops.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| \$16.00                                                                                                            |                                                                                | Smiths' Bellows—                                                                           | Store Door Handles-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                    | Jack Screws, Sargent's 60%<br>Prano Stool 50&10%                               | See Bellows.                                                                               | See Handles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Richardson's                                                                                                       | Scroll Sawa-                                                                   | Snaps, Harness, &c.— Auchor (T. & S. Mfg. Co.)                                             | Store Ladders—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| stillmans. 34.75                                                                                                   | Barnes' No. 1, \$8; No. 6, \$10; No. 7, \$15                                   | Cockeyes66944                                                                              | Myers' Noiseless505                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Taintors Positive\$18.00 \$ dos. 60%                                                                               | Barnes' Scroll Saw Blades. 40%<br>Cricket. 10&10%                              | Fitch's: Bolt                                                                              | Stove Bolts-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Scales-                                                                                                            | C. E. Jennings & Co                                                            | Bristol                                                                                    | See Bolta.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Chatillon's: Eureka25%                                                                                             | Lester, complete, \$10.00. 15&10%<br>Rogers, complete, \$4.00 . 15&10%         | Clipper                                                                                    | Stove Polish—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                    | Scythes— # doz.                                                                | Empire                                                                                     | See Polish, Stove.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Grocers' Trip Scales. 50%                                                                                          | Natural Finish, Grass Q4 500004 78                                             | Security                                                                                   | Sweepers-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Counton No 181 to 1.                                                                                               | Polished Blade, Grass 4.75@ 5.00<br>Painted or Bronzed, Grass. 4.50@ 4.75      | German, new list40%<br>Sargent's:                                                          | See Carpet Sweepers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tea, No. 161                                                                                                       | Clipper, Grain 7.50@ 8.00<br>Weed and Bush 4.50@ 4.75                          | Patent Guarded                                                                             | Tackle Blocks—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Striped 2.00@ 2.10                                                                                                 | Seeders-                                                                       | Covered Spring                                                                             | See Blocks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Scale Beams.                                                                                                       | Raisin, Enterprise25@30%                                                       | Breast Strap Buckle Snaps<br>Breast Strap Protector                                        | Tacks, Brads, &c.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Thatillon's No. 1                                                                                                  | Shears—                                                                        | Double for Bits or Trace Carrier \ 454                                                     | List Jan. 15, 1899. American Cut Tacks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| hatillon's No.280%                                                                                                 | Acme (Cast)                                                                    | Trojan Snaps                                                                               | o. o. cut theks go. bank                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Scrapers, &c.—                                                                                                     |                                                                                | Jockey Snaps                                                                               | Cardet Tacks:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| djustable Box Seraper (S. R. & L. Co.) \$6.00                                                                      | Barnard Lamp Trimmersnet Carrier Cutlery Co.:                                  | Rope Snaps40%                                                                              | American, Blued 90&10&10&10%<br>American, Tinned 90&10&10&10%<br>Swedes Iron Tacks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                    | N. P. Straight Trimmers 66345<br>N. P. Bent Trimmers 66345                     | Snaths—                                                                                    | S. S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| hip Common 55&5@60&5%                                                                                              | Japanned Straight 70&10x<br>Japanned Bent 70&10x                               | 8cythe40@45%                                                                               | Bill Posters' and Railroad Tacks: S. S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| hip, R. I. Tool Co                                                                                                 |                                                                                | Soldering Irons— Covert Mfg. Co205                                                         | Common and Patent Brads                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SIDEWALK-                                                                                                          | St. Trimmers, etc60&10@60&10&10%<br>Tailors' Shears40%                         | Spoke Shaves—                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cohler's, Steel No. 7 \$\pi\$ doz. \$8.00                                                                          |                                                                                | Bailey's (Stanley R. & L. Co.) 50&10s                                                      | 8. S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Boreens Door                                                                                                       | Pruning. See Pr'ning Hooks & Shears.<br>Seymour's Standard List:               | Millers Falls # doz. 50&10%                                                                | Lace Tacks:  8. 8. 90 405  Looking Glass Tacks. 70 4105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| hilline.                                                                                                           | Japanned                                                                       | Seymour Smith & Sons, Iron20%<br>Wm. Johnson's:                                            | Looking Glass Tacks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| % in., Style E, Fancy Screen Doors                                                                                 | Japanned construction                                                          | Wood, Best 904                                                                             | S. S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                    | Nickeled                                                                       | wood, 2d quality 83145                                                                     | Steel, Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| %-in. Style K. Fancy Screen                                                                                        | Nickel Scissors.                                                               | Spoons and Forks—                                                                          | Obnomercia a lacka:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| %-in., Style K4. Fancy Screen                                                                                      | Japan Shears                                                                   | Boardman's: Britannia Spoons, Catalogue "C"                                                | S. S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Doors 8.50                                                                                                         | Tailors' Shears                                                                | Nickel Silver, Catalogue "C"                                                               | MISCELLANEOUS— Double Point, in dozens,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| WINDOW-                                                                                                            | Tinners' Snips40&10%                                                           | net, List                                                                                  | 90&10&10&10&10&10&10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| orter Screen Mfg. Co60@60&5%<br>hillips:                                                                           | Shears, Hedge—                                                                 | SILVER PLATED FLAT WARE—<br>L. Boatdman & Son Catalogue " C "                              | Matting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Bonanga Screens                                                                                                    | Wm. Wilkinson & Sons50%<br>Sheaves—                                            | net List                                                                                   | Shade, in dozens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| river en en                                                                                                        | SLIDING DOOR—                                                                  | " Anchor"                                                                                  | Tack Pullers -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Northwest                                                                                                          | Corbin's list                                                                  | 104                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Window Screen Frames60&10%                                                                                         | Hatfield's Pattern                                                             | Rogers, Smith & Co50&10%<br>Rogers & Hamilton40&10%                                        | Columbia, No. 1, \$\Pi\$ doz., net\$1.00<br>Columbia, No. 2, \$\Pi\$ doz., net 1.50<br>Little Jack \$\Pi\$ doz., 1 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                    |                                                                                |                                                                                            | The second secon |
|                                                                                                                    |                                                                                |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Tapes, Measuring—                                                                                                                                                                                  | Shaw's: Copper Finished80&10%                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| American Asses' Skin40&10@50%<br>Leather Case25@25&10%<br>Steel831%@40%                                                                                                                            | Lever                                                                                                                                                                                                                  |
| Chestermans                                                                                                                                                                                        | Traps—                                                                                                                                                                                                                 |
| Keuffel & Esser Co., New List, 1896: Steel and Metallic                                                                                                                                            | Balloon \$\psi\$ doz. \$1.25, \$\pi\$ gro. \$11.00<br>Globe \$\pi\$ doz. 1.25, \$\pi\$ gro. 11.00<br>Harper \$\pi\$ doz. 1.40, \$\pi\$ gro. 12.50                                                                      |
| Tap Borers—                                                                                                                                                                                        | GAME-                                                                                                                                                                                                                  |
| See Borers, Tap.                                                                                                                                                                                   | Star, Blake's Pattern                                                                                                                                                                                                  |
| Taps— American Screw Co.:                                                                                                                                                                          | Newhouse 45@45&5%                                                                                                                                                                                                      |
| Machine Screw70%<br>Holroyd & Co.'s:                                                                                                                                                               | Victor                                                                                                                                                                                                                 |
| Blacksmiths                                                                                                                                                                                        | Hotchkiss:                                                                                                                                                                                                             |
| Miachiniata' Handbuxoxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx                                                                                                                                                | Metallic Mouse                                                                                                                                                                                                         |
| Pipe, 16 to 116                                                                                                                                                                                    | New Rat Worse Round Wire 28 dos. \$1.00, 105                                                                                                                                                                           |
| Thumb Latches— See Handles.                                                                                                                                                                        | Mouse, Wood, Choker, \$\vartheta doz. holes, 9@10c                                                                                                                                                                     |
| Tinware-                                                                                                                                                                                           | Marty French Rat and Mouse Traps (Genuine):                                                                                                                                                                            |
| Stamped, Japanned and Pieced,<br>Net Prices.                                                                                                                                                       | No. 1, Rat, each \$1.18, \$100z\$12.00                                                                                                                                                                                 |
| Tire Bolts—                                                                                                                                                                                        | No. 316, Rat, 19 doz., \$4.75; case                                                                                                                                                                                    |
| See Bolts.                                                                                                                                                                                         | No. 4 Monse 30 doz., \$8.50; case                                                                                                                                                                                      |
| Tobacco Cutters- National Specialty Co40%                                                                                                                                                          | No 5 Mones 20 dog \$2.75:                                                                                                                                                                                              |
| Enterprise Mfg. Co25@30%                                                                                                                                                                           | Case of 100                                                                                                                                                                                                            |
| Toilet Clippers—                                                                                                                                                                                   | Schuyler Rat Killer, No. 1, #gro.,   \$15.00; No. 2, #gro.   net\$15.00   Mouse, No. 3   net 9.00   Smith & Egge Mfg. Co.   #d dox.   Superior Rat Trap   \$15.00   Yankee Mouse Trap   5.50   Yankee Rat Trap   11.00 |
| See Clippers.                                                                                                                                                                                      | Smith & Egge Mfg. Co.: \$\footnote{\text{dos.}}                                                                                                                                                                        |
| Trammel Points                                                                                                                                                                                     | Yankee Mouse Trap 5.50                                                                                                                                                                                                 |
| Backus and Union                                                                                                                                                                                   |                                                                                                                                                                                                                        |
| Sargent's                                                                                                                                                                                          | Trowels—<br>Brade's Brick80%                                                                                                                                                                                           |
| Tower & Lyon                                                                                                                                                                                       | Diseton's                                                                                                                                                                                                              |
| Prentiss' 20@25s                                                                                                                                                                                   | Brick and Pointing                                                                                                                                                                                                     |
| Tracks, &c.—<br>F. E. Myers & Bro.:                                                                                                                                                                | C K Jennings & Co.:                                                                                                                                                                                                    |
| Comb. Car, Double Steel T\$8.50<br>Comb. Car, Wood Track 8.25                                                                                                                                      | Brick 80% Plastering. 25%                                                                                                                                                                                              |
| Common 6 in. Wood Sheave Pulley,                                                                                                                                                                   | Pointing 30% W. & McP. Plastering 25% Peace's Plastering                                                                                                                                                               |
| Common 6 in, Wood Sheave Pulley,<br>Fig. 458                                                                                                                                                       | Peace's Plastering25@25&5¢                                                                                                                                                                                             |
| Double Grapple Forkeach, 8.50<br>Double Rail Steel Track, complete                                                                                                                                 | CIB                                                                                                                                                                                                                    |
| Double Grapple Fork. each, 8.50 Double Rail Steel Track, complete with clamps. ft10 Faultless Steel Frame K. P. Pulley, Fig. 425 dos. 2.15 Faultless Steel Frame 6 in. Plain Dellow Fig. 426 2.100 | Vegetable Slicers—<br>Enterprise Mfg. Co25%                                                                                                                                                                            |
| Faultless Steel Frame 6 in. Plain                                                                                                                                                                  | Vises—                                                                                                                                                                                                                 |
| Floor Hooks % in 9 dos70                                                                                                                                                                           | Solid Box                                                                                                                                                                                                              |
| Pulleys Steel Frame o Int. Tain<br>Pulley, Fig. 485                                                                                                                                                | Figuer-Morris                                                                                                                                                                                                          |
| Hanging Hooks for Double Steel Track # doz65 Hanging Hooks for Single Steel Track # doz65 Hanging Hooks for Wood Track. 10 in # doz55 Hanging Hooks for Wood Track, 14 in .65                      | Armstrong's: Combination                                                                                                                                                                                               |
| Hanging Hooks for Single Steel                                                                                                                                                                     | Plain and Hinge 60%<br>Athol, Oval Slide 40%                                                                                                                                                                           |
| Hanging Hooks for Wood Track.                                                                                                                                                                      |                                                                                                                                                                                                                        |
| Hanging Hooks for Wood Track,                                                                                                                                                                      | Fisher & Norris Double Screw . 15&10%<br>Holland's                                                                                                                                                                     |
| 14 in                                                                                                                                                                                              | Little Giant Bench                                                                                                                                                                                                     |
| Fig. 676                                                                                                                                                                                           | Lowell Hand881/6%<br>Massey:                                                                                                                                                                                           |
| Nellis Forkeach, 1.60                                                                                                                                                                              | Perfect                                                                                                                                                                                                                |
| Maileable Ratter Brackets, # 00540  Neillis Forkeach, 1.60  New Myers Iron Rod Car                                                                                                                 | Wood.Working                                                                                                                                                                                                           |
| Rev. Car., Double Steel Track 8.50                                                                                                                                                                 | Planer                                                                                                                                                                                                                 |
| Rev. Car., Wood Track 8.25<br>Rope Hitch                                                                                                                                                           | Millers Falls:                                                                                                                                                                                                         |
| Single Rail Car, Single Steel T 8.50                                                                                                                                                               | Owel 911/4 50/210%                                                                                                                                                                                                     |
| elamps % ft09                                                                                                                                                                                      | Ball Clamp                                                                                                                                                                                                             |
| clamps                                                                                                                                                                                             | Hand 20s                                                                                                                                                                                                               |
| Sneave, Fig. 565, \$\pi\$ doz 1.85<br>Sure Grip Sling Car. Steel or Wood                                                                                                                           | Prontice 20@254                                                                                                                                                                                                        |
| Track                                                                                                                                                                                              | Sargent's                                                                                                                                                                                                              |
| Wrought Rafter Brackets, \$\text{\$\pi} \doz40                                                                                                                                                     | Trenton                                                                                                                                                                                                                |
| Transom Lifters— Ajax                                                                                                                                                                              | Wright's Pipe40%                                                                                                                                                                                                       |
| Bronze Metal, with Safety Spring 50@50&10\$                                                                                                                                                        | Bonney's No. 2, \$15.0040&10@50%<br>Cincinnati                                                                                                                                                                         |
| Crescent                                                                                                                                                                                           | 1 DUGDUGETUS                                                                                                                                                                                                           |
| Nickel Plated                                                                                                                                                                                      | Stearns Rubber Jaw, Nos. 10 and 33, 883/4@40%<br>Wentworth's                                                                                                                                                           |
|                                                                                                                                                                                                    | <u> </u>                                                                                                                                                                                                               |

|                                                               | Wede                                                                                                                                                                            |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 90.8:10st                                                     | Wads— See Ammunition.                                                                                                                                                           |
|                                                               | See Ammunicon.                                                                                                                                                                  |
|                                                               | Wagon Jacks—                                                                                                                                                                    |
|                                                               | Covert Mfg. Co.'s, Steel45%                                                                                                                                                     |
|                                                               | Lane's Steel                                                                                                                                                                    |
| 25, 8 gro. \$11.00                                            | Washer Cutters-                                                                                                                                                                 |
| .25, % gro. \$11.00<br>.25, % gro. 11.00<br>.40, % gro. 12.50 |                                                                                                                                                                                 |
|                                                               | Otis A. Smith's20&10&10%                                                                                                                                                        |
| 60&10                                                         | Well Wheels-                                                                                                                                                                    |
|                                                               | Japanned, 8 to 14 inches                                                                                                                                                        |
| 45@45&5%                                                      | •                                                                                                                                                                               |
| 45@45&5%<br>75%                                               | Weed Extractors                                                                                                                                                                 |
| <del></del>                                                   | " Pastime" 🗘 doz. \$1.75 net                                                                                                                                                    |
|                                                               | Window Cleaners—                                                                                                                                                                |
| 50%                                                           | Window Cleaners—                                                                                                                                                                |
| 50%                                                           | Barnes Mfg. Co                                                                                                                                                                  |
|                                                               |                                                                                                                                                                                 |
| , \$4 doz. noies,<br>9@10c                                    | Window Stop Adjusters-                                                                                                                                                          |
| l Mouse Traps                                                 | Ives' New List                                                                                                                                                                  |
|                                                               |                                                                                                                                                                                 |
| 8, \$ doz\$12.00<br>\$6.00; case                              | Wire Gauges-                                                                                                                                                                    |
|                                                               | See Gauges.                                                                                                                                                                     |
| \$4.75; case                                                  | Wire and Wire Goods—                                                                                                                                                            |
| \$8.50; case                                                  |                                                                                                                                                                                 |
| 2.70                                                          | Rright Wire Goods, New List 856/210%                                                                                                                                            |
| doz., \$2.75;                                                 | Cast Steel Wire50%                                                                                                                                                              |
| o. 1, % gro.,                                                 | Copper Wire. 15% Annealed and Tinned on Spools. 70% Brass and Copper on Spools. 60% Spooled Wire, ass'd for Retailing. 70% Market Wire, Bright and Annealed: Nos 6 to 9 70% 10% |
| netakio.uu                                                    | Brass and Copper on Spools60%                                                                                                                                                   |
|                                                               | Spooled Wire, ass'd for Retailing                                                                                                                                               |
| o.: \$\ dom.<br>\$15.00                                       |                                                                                                                                                                                 |
| D 5.50                                                        | Nos. 10 to 18                                                                                                                                                                   |
| 11.00                                                         | Nos. 19 to 26                                                                                                                                                                   |
|                                                               | Connered and Galvanizad:                                                                                                                                                        |
| 80≴                                                           | Nos 6 to 9                                                                                                                                                                      |
|                                                               | Nos. 10 to 18                                                                                                                                                                   |
|                                                               | Nos. 27 to 86                                                                                                                                                                   |
| and Garden 40%                                                | Manada                                                                                                                                                                          |
|                                                               | Nos. 5 to 14                                                                                                                                                                    |
| 80≴                                                           | Nos. 6 to 14                                                                                                                                                                    |
| 25%                                                           | Nos. 27 to 86                                                                                                                                                                   |
| g25%<br>25@25&5%<br>ring and Mould                            | Picture Wire, List of Oct. 2, 1900<br>85@85&10%                                                                                                                                 |
| 25@25&5¢                                                      | Steel Music Wire, Nos. 12 to 30, Imported                                                                                                                                       |
| ring and Mould-                                               | ported                                                                                                                                                                          |
|                                                               | Stud's Steel Wire\$6.00 to £ 55%                                                                                                                                                |
| rs—                                                           |                                                                                                                                                                                 |
|                                                               |                                                                                                                                                                                 |
|                                                               |                                                                                                                                                                                 |
| 40&10@50≴                                                     | PAINTS, OILS                                                                                                                                                                    |
| 40&10@80%<br>40%<br>15&10%                                    |                                                                                                                                                                                 |
| 15&10%                                                        | Oils-                                                                                                                                                                           |
| 50%                                                           | Linseed, City, Raw, in barrels, # gal. 64c                                                                                                                                      |
| R∩≪.                                                          | Linseed, City, Boiled, in barrels,                                                                                                                                              |
| 40x                                                           | a gal. 66c                                                                                                                                                                      |
| AN                                                            | v gan. 000                                                                                                                                                                      |

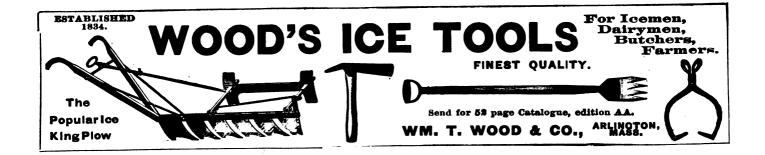
| Wire Cloth, Netting, &c                                                                                        |
|----------------------------------------------------------------------------------------------------------------|
| Galvanized Wire Netting 80&10@80&20%<br>Painted Screen Cloth, good quality,<br>\$\pi\$ 100 sq. ft. \$1.00@1.10 |
| Wire Rope-                                                                                                     |
| New List July 1, 1899.                                                                                         |
| Wire Rope Clips-                                                                                               |
| Crosby 25%                                                                                                     |
| Wire Stretchers—<br>W. C. Heller's Grip & doz. \$1.50                                                          |
| Wrenches-                                                                                                      |
| Agricultural                                                                                                   |
| Aiken's Pocket (Bright)                                                                                        |
| Baxter's60&10%                                                                                                 |
| Bemis & Call's:                                                                                                |
| Briggs Pattern                                                                                                 |
| No. 2 Cylinder                                                                                                 |
| Patent Combination Black 40&5%<br>Patent Combination Bright 40%                                                |
|                                                                                                                |
| Bicycle:                                                                                                       |
| Club                                                                                                           |
| Roatherweight                                                                                                  |
| Decreetion                                                                                                     |
| Boardman's                                                                                                     |
| Coes':                                                                                                         |
| Genuine                                                                                                        |
| Cone Dettern Wronght Bar. 60856                                                                                |
| 60&10%                                                                                                         |
| Donohue's Engineer                                                                                             |
| Gem881                                                                                                         |
| Stillson Pipe                                                                                                  |
| Ragie Pipe 831/6<br>Gem 831/6<br>Stillson Pipe 507<br>Taylor Pipe and Nut 407<br>Acme. 600.410                 |
|                                                                                                                |
| Hercules                                                                                                       |
| VI AAI II MAAIMMAA                                                                                             |
|                                                                                                                |

Wite Clatles Lines.

#### PAINTS, OILS AND COLORS.

| O11s                                                                                                                       | Op                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Linseed, City, Raw, in barrels, # gal. 64c                                                                                 | In regu                                                                                                             |
| Linseed, City, Boiled, in barrels,                                                                                         | In mac                                                                                                              |
| ₩ gal. 66c                                                                                                                 | Dry                                                                                                                 |
| # gal. 66c Out of Town on Spot. # gal. 85c Calcutta, Raw, in barrels. # gal. 85c Lard, Prime City. # gal. 80c Extra, No. 1 | Blue, C Blue, I Blue, I Sienna powe Sienna powe Umber Umber Green, Indian Cold Black Blue, C Blue, I Blue, I Sienna |
| In bladders                                                                                                                | Umber<br>Umber                                                                                                      |
| In cans, 1814 b 2.50                                                                                                       | Brown                                                                                                               |

| Spirits Turpentine-       |                |   |
|---------------------------|----------------|---|
| In regular bbls88         | @883           | • |
| In machine bbls883        | <b>€</b> 89    | • |
|                           |                |   |
| Dry Colors—               | 18 ID          |   |
| Blue, Chinese85           | @40            | • |
| Blue, Prussian88          | @88            | • |
| Blue, Ultramarine 6       | <b>@30</b>     | • |
| Sienna, Italian, burnt &  |                |   |
| powdered 4½               | <b>6@</b> 10   | • |
| Sienna, Italian, raw &    |                |   |
| powdered 8                | @ 7            | • |
| Umber, Turkey, burnt 23   | <u>6</u> @ 814 | Ċ |
| Umber, Turkey, raw 25     | 40 814         | ı |
| Green, Chrome, Ordinary 5 | @ 7            | • |
| Green, Paris, in bulk15   | @16            | • |
| Indian Red, American 23   | 40 8           | • |
| Indian Red, English 43    | 40 84          |   |
|                           | #G -/#         | , |
| Colors in Oil—            |                |   |
| Black Lampblack, best 18  | @15            | • |
| Black Lampblack, common 8 | @19            | • |
| Blue, Chinese             | @40            | • |
| Blue, Prussian            | <b>@35</b>     | • |
| Blue, Ultramarine 14      | @18            | • |
| Sienna, burnt11           | @18            | ( |
| Sienna, raw               | @18            | • |
| Umber, burnt11            | @18            | • |
| Umber, raw11              | @18            | ( |
| Brown, Vandyke 11         | @18            | • |
| ,                         |                |   |
|                           |                |   |



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# CLASSIFIED INDEX TO ADVERTISERS.

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son, Ia.

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Van Dorn Iron Works Co., Cleveland,
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lowa Farming Tool Co., Fort Madilows Farming and Son, Id.

Janesville Hay Tool Co., Chicago, Ill.

Willoughby Fork & Mfg. Co., Willoughby, O.

Hay Knives. Iwan Bros., Streator, Ill.

Hay Presses.
J. E. Porter Co., Ottawa, Ill. Hay Slings.
Janesville Hay Tool Co., Chicago, Ill.

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Heaters, Oil.
Plume & Atwood Mfg. Co., New
York, Boston and Chicago. Hinges, McKinney Mfg. Co., Allegheny, Pa. Niles Mfg. Co., Chicago. Sargent & Co., New York.

Hinges, Shutter. Baitinger & Berkley Pat. Hinge Mfg. Co., St. Louis, Mo.

Hinges, Spring.

Bommer Bros., Brooklyn, N. Y.
Niles Mfg. Co., Chicago.

Sargent & Co., New York.

Hinges, Trunk, Boz and Door. Brass Goods Mfg. Co., Brooklyn, N. Y. Hoisting Machinery. Kimball Bros. Co., Council Bluffs, Ia.

Hollow Ware. Blacklock Foundry, South Pittsburgh, Tenn.

Hones, Razor. Alfred Field & Co., New York. Hone Strops.
J. H. Pero, Chicago, Ill.

Hooks.

Berger Bros. Co., Philadelphia.

John H. Graham & Co., New York.

Sargent & Co., New York.

Horse and Cattle Ties.
Covert Mfg. Co., West Troy, N. Y.
Horse Nails.
Aussbie Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford,
Conn.

Horse Rasps.
G. & H. Barnett Co., Phila., Ps.
Nicholson File Co., Providence, R. I.

Hose Menders.
John H. Graham & Co., New York.

Hose Pipe. F. E. Myers & Bro., Ashland, Ohio. Hose, Rubber. F. E. Myers & Bro., Ashland, Ohio.

Ice Balances.

John Chatilion & Sons, New York.

Pelouse Scale & Mfg. Co., Chicago.

Ice Chisels.

John Chatillon & Sons, New York.

Iowa Farming Tool Co., Ft. Madison,
Iowa.

Ice Cresm Freezers.

Dana & Co., Cincinnati, O.

John H. Graham & Co., New York.

North Bros. Mfg. Co., Philadelphia.

Lee Creepers.
Edwin B. Stimpson & Son, New York. Ice Harvesting Implements.
Wm. T. Wood & Co., Arlington, Mass.

Wm. T. Wood & Co., Arington, mass.

John Chatillon & Sons, New York.
Erie Specialty Co., Erie, Pa.
C. E. Jennings & Co., New York
Wm. T. Wood & Co., Arlington, Mass.

Ice Tools.

John Chatillon & Sons, New York.

Erie Specialty Co., Erie, Pa.

Wm. T. Wood & Co., Arlington, Mass.

Iron, Sheet. Bruce & Cook, New York.

Iron Fences.
Enterpise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland, Ohio.

Iron Pipe. Colwell Lead Co., New York.

Iron Work.

J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland, Ohio

Jack Chains.
Smith & Egge Mfg. Co., Bridgeport. Conn.

Job Lots.
Chicago House Wrecking Co., Chicago, Ill.
A. N. Jacob, New York City.

Kitchen Cutlery. C. J. Kimball Co., Bennington, N. H.

Ladders.
Berger Bros. Co., Philadelphia.
Lane Bros. Co., Poughkeepsie, N. Y.
F. E. Myers & Bro., Ashland, Ohio.

Lamps, Bioycle, John H. Graham & Co., New York, Plume & Atwood Mfg. Co., New York, Boston and Chicago.

Lard Presses.
Enterprise Mfg. Co. of Pa., Philadelphia.

Lawn Fences.
W. J. Adam, Joliet, Ill.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Stewart Iron Works, Cincinnati, O.
Up-To-Date Mfg. Co., Terre Haute,
Ind. Van Do Ohio. Dorn Iron Works Co., Cleveland,

Lawn Mowers.
Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Coldwell Lawn Mower Co., Newburgh, N. Y.

Lawn Rakes. Geneva Tool Co., Geneva, O. Iowa Harming Tool Co., Ft. Madison, Ia.

Lawn Sweepers. Greene Mfg. Co., Springfield, O.

Lawn Tools. Geneva Tool Co., Geneva, O.

Lead. Bruce & Cook, New York. Colwell Lead Co., New York.

Lead Pencils.

Joseph Dixon Crucible Co., Jersey City, N. J.

Lead Pipe. Colwell Lead Co., New York.

Lemon Squeezers.
Berger Broe. Co., Philadelphia.
Erie Specialty Co., Erie, Pa.
John H. Graham & Co., New York.
John Sommer's Son, Newark, N. J.

Levels.
Stanley Rule & Level Co., New
York.

Locks and Knobs.
Brass Goods Mfg. Co., Brooklyn, N.Y.
John H. Graham & Co., New York.
Sargent & Co., New York and New
Haven, Conu.

Lubricants.
Joseph Dixon Crucible Co., New York
and Jersey City, N. J.

Magnolia Metal.

Magnolia Metal Co., New York.

Mallets.
Bruce & Cook, New York.
N. Y. Mallet & Handle Works, New
York, N. Y.
John Sommer's Son, Newark, N. J.
Stanley Rule and Level Co., New
York.

Manicure Appliances. H. C. Cook Co., Ansonia, Conn.

Manure Forks. Geneva Tool Co., Geneva, O. Iowa Farming Fool Co., Fort Madi-son, Ia.

Manure Hooks. Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madi-son, Iowa.

Masons' Lines. Samson Cordage Works, Boston.

Measuring Pumps.
Enterprise Mfg. Co. of Pa., Philadelphia.

Measuring Tapes.
Alfred Field & Co., New York.
John H. Graham & Co., New York.
Keuffel & Esser, New York.

Meat Choppers.
John Chatillon & Sons, New York.
Enterprise Mfg. Co. of Pa., Philadelphia. John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co. of Pa., Phila delphia.
John H. Graham & Co., New York.
Sargent & Co., New York.

Mills, Coffee and Spice.

John Chatillon & Sons, New York.

Enterprise Mfg. Co. of Pa., Philadelphia.

Mills, Drug.
Enterprise Mfg. Co. of Pa., Phila-Enterprise delphia.

Minoing Knives.

Ruterprise Mfg. Co. of Pa., Phila-John H. Graham & Co., New York.

Mitre Boxes.
C. E. Jennings & Co., New York.

Mop Wringers.
Beech Novelty Co., Mansfield, O.

Mortar Hoes. Iowa Farming Tool Co., Fort Madi-

Mowing Machine Ollers.
American Tube and Stamping Co.,
Bridgeport, Conn.

Nails.
Bruce & Cook, New York.
Fuller Bros. & Co., New York.
Chas. J. Stebbins & Co., New York.

Nail Pullers.
Bridgeport Mfg. Co., Bridgeport, The Scranton & Co., New Haven, Conn.

Nail Sets John H. Graham & Co., New York. C. E. Jennings & Co., New York.

Needles.
Alfred Field & Co., New York.

Nippers.
Alfred Field & Co., New York.
Charles Morrill, New York.

Nuts.
Atlas Bolt and Screw Co., Cleveland, Ohio. Columbus Boit Works Columbus, O. Milton Mfg. Co., Milton, Pa.

Office Railings.

J. B. Bolles Iron and Wire Works,
Detroit, Mich.
Gilbert & Bennett Mfg. Co., New
York and Chicago.
Stewart Iron Works, Cincinnati, O.

Ollers.
Cushman & Denison, New York.
American Tube and Stamping Co.,
Bridgeport, Coun.

Oil Heaters.
Plume & Atwood Mfg. Co., New
York, Boston and Chicago.

TORK, Boston and Chicago.

Ornamental Iron Work.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Stewart Iron Works, Cincinnati, O.
Van Dorn Iron Works Co., Cleveland, Ohio.

Ox Bows. Iowa Farming Tool Co., Fort Madi-son, Iowa.

Ox Yokes. Iowa Farming Tool Co., Fort Madison, Iowa.

Padlocks.

Ames Sword Co., Chicopee, Mass.

Alfred Field & Co., New York.

John H. Graham & Co., New York.

Smith & Egge Mfg. Co., Bridgeport,

Conn.

Paints.
Bruce & Cook, New York.
Jos. Dixon Crucible Co., Jersey Cit,,
N. J.

Paper Clips.
Cushman & Denison, New York. Patents.
Davis & Davis, New York.

Pencils.

Joseph Dixon Crucible Co., Jersey
City, N. J. Pig Lead.
Colwell Lead Co., New York.

Pig Tin. Colwell Lead Co., New York.

Pipe Cutters.
Armstrong Mfg. Co., Bridgeport.

Conn.
Alfred Field & Co., New York.
Trimont Mfg. Co., Roxbury. Mass.

Pipe Straps.

Berger Bros. Co., Philadelpnia

Bruce & Cook, New York.

Smith & Egge Mfg. Co., Bridgeport.

Pipe Threading Machines.
Armstrong Mfg. Co., Bridgeport,
Conn.

Pipe Vises.
Armstrong Mfg. Co., Bridgeport. Armstrong Mfg. Co., Bridgepor Conn. Howard Iron Works, Buffalo, N. Y

Pistols.
J. Stevens Arms & Tool Co., Chicopee
Palls, Mass.

Planes.
C. E Jennings & Co., New York.
Sargent & Co., New York.
Stanley Rule and Level Co., New
York.

Planters' Hoes.
Iowa Farming Tool Co., Fort Madison, Ia.

Plated Ware.
M. S. Benedict Mfg. Co., E. Syracuse,
N. Y.
Luther Boardman & Son, East Had dam, Conn. Alfred Field & Co., New York.

Piates, Machinery.
Schwerdtle Stamp Co., Bridgeport Conn.

Plate Washers.
Milton Mfg. Co., Milton, Pa.

Pliers, Fenoing. Cronk & Carrier Mfg. Co., Elmira N. Y. Alfred Field & Co., New York.

Plumbers' Supplies.
Berger Bros. Co., Philadelphia, Pa.
Bruce & Cook, New York.
Colwell Lead Co., New York.
Smith & Egge Mfg. Co., Bridgeport. Conn.

Pocket Cutlery.
John Chatilion & Sons, New York
Alfred Field & Co., New York.
Jackson Knife & Shear Co.,
Fremont, O.

Polish, Stove.
Joseph Dixon Crucible Co., Jersey
City, N. J.

Post Hole Augers
Iwan Bros., Streator, Ill.

Post Hole Diggers.
John H. Graham & Co., New York.
Iwan Bros., Streator, Ill.
F. E. Kohler & Co., Canton, O.

Potato Digging Forks.
Iowa Farming Tool Co., Fort Madi-

Potato Hooks Geneva Tool Co., Geneva. O. Iowa Farming Tool Co., Fort Madi-son, Iowa.

Poultry Netting.
Chicago House Wrecking Co., Chicago, Ill.
Clinton Wire Cloth Co., Cliston,
Mass.
Gilbert & Bennett Mfg. Co., New
York, Chicago.
Jones National Fence Co., Columbus,
Ohio.

Ohio

ew Jersey Wire Cloth Co., New York, Trenton, Chicago, San Fran-

Power Hammers.
The Scranton & Co., New Haven,
Conn.

Price Books.
Hardware Publishing Co., New York.

Pruning Shears.
Cronk & Carrier Mfg. Co., Elmira.

Pulleys, Hoisting. F. E. Myers & Bro., Ashland, Ohio. Pulleys, Hook.
Janesville Hay Tool Co., Chicago, Ill.

John H. Graham & Co., New York. F. B. Myers & Bro., Ashland, Ohio. The Deming Co., Salem, Ohio.

Punches, Spring.
Alfred Field & Co., New York.
Charles Morrill, New York.
Smith & Egge Mfg. Co., Bridgeport, onn. Woodman Mfg. & Supply Co., R. Woodman Boston, Mass.

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Railings, Wire and Iron.

J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Clinton Wire Cloth Co., Clinton,
Mass

Stewart Iron Works, Cincinnati, O. Rail, Barn Door. Cronk & Carrier Mfg. Co., Elmira, N. Y. N. Y. Lane Bros. Co., Poughkeepsie, N. Y. McKinney Mfg. Co., Allegheny, Pa.

Bailroad Brasses.

Magnolia Metal Co., New York. magnona metal Co., New York.

Railway and Mill Supplies.
American Railway Supply Co., New
York.
R. Woodman Mfg. & Supply Co.,
Boston.

Raisin Seeders.
Enterprise Mfg. Co. of Pa., Philadelphia.

Rakes. Geneva Tool Co., Geneva, O.
John H. Graham & Co., New York.
Iowa Farming Tool Co., Fort Madison, Is.

Ranges. Schill Bros. Co., Crestline, Ohio.

Rasors.
Alfred Field & Co., New York.
International Cutlery Co., Fremont, O.
Jackson Knife & Shear Co.,
Fremont, O
Joseph Rodgers & Sons, New York
and Sheffield, England.

Reamers. C. E. Jennings & Co., New York. Reels. Wood. John Sommer's Son, Newark, N. J.

Refined Bar Iron.
Milton Mfg. Co., Milton, Pa.

Refrigerators.
Baldwin Refrigerator Co., Burlington,

Vt. Cooper & McKee, Brooklyn, N. Y. Monarch Refrigerator Works, Bur-lington, Vt.

Refrigerator Door Fasteners. Bernard Glockler, Pittsburgh, Pa.

Registers, Warm Air. Berger Bros. Co., Philadelphia Revolution Counter. R. Woodman Mfg. & Supply Co., Boston, Mass.

Revolving Horse Hay Rakes Geneva Tool Co., Geneva, O.

Rifles. J. Stevens Arms & Tool Co., Chicopes Falls, Mass.

Rivets. Atlas Bolt and Screw Co., Cleveland, Ohio. Ohio.
Berger Bros. Co., Philadelphia.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.
C. C. & E. P. Townsend, New Brighton, Pa.

Roof Bolts.
Columbus Bolt Works, Columbus, O.

Roof Rods.
Columbus Bolt Works, Columbus, O.

Roofing, Granite.
Eastern Granite Roofing Co., New

Roofing Plates.
Merchant & Co.,Inc.,Philadelphia,Pa.

Roofing and Roofers' Supplies. American Steel Roofing Co., Middle-town, Ohio. Berger Bros. Co., Philadelphia. Bruce & Cook. New York. Merchant & Co., Inc., Philadelphia, Pa.

Rules.
Alfred Field & Co., New York.
Stanley Rule and Level Co., New
York. Sad frons.
Blacklock Foundry, South Pittsburgh,

Tenn.
Enterprise Mfg. Co. of Pa., Philadelphia.

Sand and Emery Paper. Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Sash Chains. Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord. Samson Cordage Works, Boston.

Sash Fixtures. Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Locks. Champion Safety Lock Co., Clevehampion Sarety Land, Ohio.
V. & E. T. Fitch Co., New Haven, w H. B. Ives & Co, New Haven, Conn

Sash Pulleys. Sargent & Co., New York.

Sash Weights (Lead). Colwell Lead Co., New York.

Sausage Stuffers.
Enterprise Mfg. Co. of Pa., Philadelphia.
Sargent & Co., New York.

Saws. E. C. Atkins & Co., Indianapolis, Ind. Henry Disston & Sons, Philadelphia, Pa.
C. E. Jennings & Co., New York.
Sargent & Co., New York.

Saws, Butchers'.

John Chatillon & Sons, New York.

Saw Sets.
E. C. Atkins & Co., Indianapolis,
Ind. Ind.
Alfred Field & Co., New York
F. E. Kohler & Co., Canton, Charles Morrill, New York.

Saw Sharpeners.
Sterling Wrench Co., Rockford, Ill.

Saw Tools. E. C. Atkins & Co., Indianapolis, Ind. C. E. Jennings & Co., New York.

Scales.
John Chatillon & Sons, New York.
Osgood Scale Co., Binghamton, N. Y.
Pelouze Scale & Mfg. Co., Chicago.
Scissors and Knife Sharpener.
Bullock Mfg. Co., Chicago, Ill.

Scrapers, Drag and Wheel.
Syracuse Chilled Plow Co., Syracuse,
N. Y. Screen Doors.
A. J. Phillips Co., Fenton, Mich.

Screens, Wire Porter Screen Mig. Co., Burlington, Vt.

Screws.
Atlas Bolt & Screw Co., Cleveland,
Ohlq.

Screw Cases.
J. D. Warren Mfg. Co., Chicago, Ill.

Screw Drivers.

Bridgeport Mfg. Co., Bridgeport,
Conn. Conn.
John H. Graham & Co., New York.
C. E. Jennings & Co., New York.
C. J. Kimball Co., Bennington, N. H.
North Broe. Mfg. Co., Philadelphia.
Sargent & Co., New York.
Stanley Rule & Level Co., New York.
Voigt, Starr & Co., New York.

Screw Plates.
Alfred Field & Co., New York.

Scythes and Grass Hooks.
Alfred Field & Co., New York.

Scythe Snaths, Grass and Bush. Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madison, Ia.

Scythe Stones.
Cleveland Stone Co., Cleveland, O.
Geneva Tool Co., Geneva, O.

Seal Presses. Charles Morrill, New York.

Seals.
Schwerdtle Stamp Co., Bridgeport,
Conn.

Sectional Shelving.
J. D. Warren Mfg. Co., Chicago.

Sewing Machines.
National Sewing Machine Co..
Belvidere, Ill.

Shade Lines.
Samson Cordage Works, Boston.

Sharpening Machines.

John Chatillon & Sons, New York.

Shears and Scissors.

Berridge Shear Co., Sturgis, Mich.

Bridgeport Mfg. Co., Bridgeport, Bridgeport Mig. Co., Eringoph. Conn.
Alfred Field & Co., New York.
Re Heinisch's Sons Co., Newark, N. J.
International Cutlery Co., Fremont. O.
Jackson Knife and Shear Co.,
Fremont, O.
Joseph Rodgers & Sons, New York.

Sheet Lead. Colwell Lead Co., New York.

Sheet Metal Stampings.
Standard Stamping Co., Buffalo, N.Y.

Sheet Steel.
Dunbar Bros., Bristol, Conn.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Sargent & Co., New York.

Shelving, Hardware.
J. D. Warren Mfg. Co., Chicago, Ri.

Shepherd Crooks.

Iowa Farming Tool Co., Fort Madison, Iowa.

Shoe Knives. C. J. Kimball Co., Bennington, N. H.

Shoe Plates.
Mansfield West Co., Cleveland, O.

Shot.
Colwell Lead Co., New York.

Shot Guns.
J. Stevens Arms & Tool Co., Chicoper Falls, Mass.

Show Cases.
J. D. Warren Mfg. Co., Chicago, 11L. Sidewalk Chisels. Geneva Tool Co., Geneva, O.

Sidewalk Cleaners. Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madi-

Sidewalk Lights.
J. R. Bolles Iron and Wire Works,
Detroit, Mich.

Sidewalk Scrapers. Geneva Tool Co., Geneva, O. Sidewalk Shovels. Geneva Tool Co., Geneva. O.

Silver Ware. M. S. Benedict Mfg. Co., E. Syracus. N. Y.

N. Y. Luther Boardman & Son, East Had-dam, Conn.

Sink Bolts.
Atlas Bolt & Screw Co., Cleveland,
Ohio.

Sink Cleaners. John W. Sudlow, Brooklyn, N. Y.

Sinks, Cast Iron. Blacklock Foundry, South Pitteburgh, Tenn.

Skates, Ice and Roller.
John H. Graham & Co., New York.

Skewers.
John Chatillon & Sons, New York.



Slaw Cutters.
E. C. Atkins & Co., Indianapolis,
Ind. Ind.
Enterprise Mfg. Co. of Pa., Philadelphia.
C. E. Jennings & Co., New York.

Siedges. Columbus Anvil & Forging Co., Col-

umbus, O.

Snow Shovels.

Iowa Farming Tool Co., Fort Madison, Iowa.

A. J. Phillips Co., Fenton, Mich.

Solder.
Berger Bros. Co., Philadelphia.
Bruce & Cook, New York.
Colwell Lead Co., New York.

Spading Forks.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Is.

Spark Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Speaking Tubes.
Berger Bros. Co., Philadelphia.

Speiter.
Bruce & Cook. New York.
Colwell Lead Co., New York.

Spikes.
Fuller Bros. & Co., New York. Spiral Screw Drivers. North Bros. Mfg. Co., Phila., Pa. Voigt, Starr & Co., New York.

Spoke Shaves.
Alfred Field & Co., New York.
Stanley Rule & Level Co., New York.

Sporting Goods.
Edw. K. Tryon, Jr., & Co., Philadelphia, Pa.

Spray Pumps.
Admiral Lamp Co., Marysville, O.
Barnes Mfg. Co., Mansfield, O.

Springs, Wire.

John Chatillon & Sons, New York.

Clark & Cowles, Plainville, Conn.

Dunbar Bros., Bristol, Conn.

Tuck Mfg. Co., Brockton, Mass.

Spring Balances.
John Chatillon & Sons, New York.

Spring Hinges.

Bommer Bros., Brooklyn, N. Y.
Niles Mfg. Co., Chicago.
Sargent & Co., New York.

Squares, Steel. Sargent & Co., New York

Stamping. Clark & Cowies, Plainville, Conn.

Stamps, Steel.
Schwerdtle Stamp Co., Bridgeport,
Conn.

Staple Pullers.
Cronk & Carrier Mfg. Co., Elmira,
N. Y.

Stay Rollers.

Cronk & Carrier Mfg. Co., Elmira,
N. Y.
John H. Graham & Co., New York.
Lane Bros. Co., Poughkeepsie, N. Y.
McKinney Mfg. Co., Allegheny, Pa.

Steamfitters' Supplies. Colwell Lead Co., New York

Steel.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. Steel Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Steel Mats.
Keystone Steel Matting Co., Pitts-burgh, Pa.

Steel Roasters and Bakers.
Royal Polished Steel Roaster Co.,
Troy, O.

Steel Roofing.
American Steel Roofing Co., Middletown, O.

Steel Skips.
Syracuse Chilled Plow Co., Syracuse,
N. Y.

Steel Track.
Janesville Hay Tool Co., Chicago, Ill.

Stencils.
Schwerdtle Stamp Co., Bridgeport,
Conn.

Step Ladders.

American Juvenile Bed Co., Cincinnati, O.

Udell Works, Indianapolis, Ind.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn. Alfred Field & Co., New York.

Stone Hooks. Geneva Tool Co., Geneva, O. Stones, Soythe, Oil, Etc. Cleveland Stone Co., Cleveland, Ohio.

Store Fixtures.
J. D. Warren Mfg. Co., Chicago. See Trucks, Store.

Store and Warehouse Trucks.

Syracuse Chilled Plow Co., Syracuse,
N. Y.

Stove Pipe Thimbles. City Forge & Iron Works, Dayton, O.

Stove Polish.
Joseph Dixon Crucible Co. Jersey
City, N. J.

Stove Trimmings. Fanner Mfg. Co., Cleveland, O.

Straightening and Cutting Machine. (Wire.)
F. B. Shuster Co., New Haven, Conn.

Strapping Belts.
Ames Sword Co., Chicopee, Mass

Street Hoes. Geneva Tool Co., Geneva, O.

Strops, Razor.
Alfred Field & Co., New York.

Sugar Beet Tools.

Geneva Tool Co., Geneva, O.

Willoughby Fork & Mfg. Co.,

Willoughby, O.

Sugar Kettles.
Blacklock Foundry, South Pittsburgh,
Tenn.

Table Cutlery. See Cutlery, Table.

Tackle Blocks.
Lane Bros. Co., Poughkeepsie, N. Y.

Tack Pullers.
John H. Graham & Co., New York.

Tailora' Shears.

Berridge Shear Co., Sturgis Mich.
R. Heinisch's Sons Co., Newark, N. J.
International Cutlery Co., Fremont, O.

Thistle and Dock Diggers Geneva Tool Co., Geneva, O.

Tinners' and Roofers' Supplies. Berger Bros. Co., Philadelphia. Bruce & Cook, New York.

Tin Pipe.
Colwell Lead Co., New York.

Tin Plate. Bruce & Cook, New York.

Tire Bolts.
Atlas Bolt & Screw Co., Cleveland, Obio.

Toasters.
Robert Malcom, Chicago, Ill.

Tool Chests.
R. Bliss Mfg. Co., Pawtucket, R. I.
C. E. Jennings & Co., New York.
Geneva Tool Co., Geneva, O.

Tools. Armstrong Mfg. Co., Bridgeport, Armstrong Mig. Co., Bridgeport, Conn. E.C. Atkins & Co., Indianapolis, Ind. Alfred Field & Co., New York. Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madi-son, Iowa. C. E. Jennings & Co., New York. Fayette R. Plumb, Inc., Philadelphia,

Pa. Stanley Rule & Level Co., New York.
J. Stevens Arms & Tool Co., Chicopee
Falls, Mars.
Voigt, Starr & Co., New York.

Transom Chains, Smith & Egge Mfg. Co., Bridgeport,

Traps, Rat and Mouse.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Trowels.
E. C. Atkins & Co., Indianapolia, Ind. Henry Disston & Sons, Philadelphia. Alfred Field & Co., New York.
C. E. Jennings & Co., New York.

Trucks, Store.
John Chatillon & Sons, New York.
John H. Graham & Co., New York.

Tubes, Seamless Drawn.
American Tube & Stamping Co.,
Bridgeport, Conn.

Tubing.
American Tube and Stamping Co., Bridgeport, Conn.

Turnbuckies.
Columbus Bolt Works, Columbus, O.
Merrill Bros., Brooklyn, N. Y.

Twine. Samson Cordage Works, Boston.

Twist Drills.
C. E. Jennings & Co., New York.

Valves, Pump. Berger Bros. Co., Philadelphia. F. E. Myers & Bro., Ashland, Ohio.

Varnishes. Berry Bros., Ltd., Detroit, Mich. Glidden Varnish Co., Cleveland, ∪hio.

Vases, Flower.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Ventilators.
Berger Bros. Co., Philadelphia.
Bruce & Cook, New York.
G. Drouve Co., Bridgeport, Conn.
Iwan Bros., Streator, Ill.
Merchant & Co., Inc., Philadelphia, Pa.
Powers Bros., Streator, Ill.

Visen.
Armstrong Mfg. Co., Bridgeport, Ct.
Alfred Field & Co., New York.
Howard Iron Works, Buffalo, N. Y.

Wagon Jacks.
Covert Mfg. Co., West Troy, N. Y.
Lane Bros Co., Poughkeepsie, N. Y.

Wagon Scales.
Osgood Scale Co., Binghamton, N.Y.

Washers, Iron and Steel. Clark & Cowles, Plainville, Conn. Columbus Bolt Works, Columbus, O. Milton Mfg. Co., Milton, Pa.

Washing Machines.
Benbow-Brammer Mfg. Co., St. Louis,
Mo.
Boss Washing Machine Co., Cinciu-

Boss Washing Macmue nati, O.
Buckeye Churn Co., Sidney, O.
H. F. Brammer Mig. Co., Davenport,
Wayne, Ind.

Horton Mfg. Co., Fort Wayne, Ind. Rocker Washer Co., Fort Wayne, Ind.

Watchmen's Time Detectors. E. Imhauser & Co., New York. Water Coolers.
Fulper Pottery Co., Flemington, N.J.

Weed Hoes.
Iowa Farming Tool Co., Fort Madison, Iowa.

Wheelbarrows.
Bryan Mfg. Co., Bryan, Ohio.
Syracuse Chilled Plow Co., Syracuse,
N. Y.

Wholesale Hardware, Logan-Gregg Hardware Co., Pitta-burg, Pa.

Window Lines, Pulleys, etc. Samson Cordage Works, Boston.

Window Screens and Doors.
John H. Graham & Co., New York.
A. J. Phillips Co., Fenton, Mich.
Fotter Screen Mfg. Co., Burlington,
Vt.

Wire, Barb.
Fuller Bros. & Co., New York.
Wire, Coiled Spring.
John Chaullon & Sons, New York.
Dunbar Bros., Bristol, Conn.

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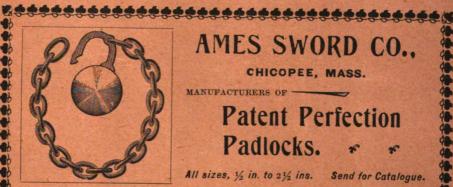
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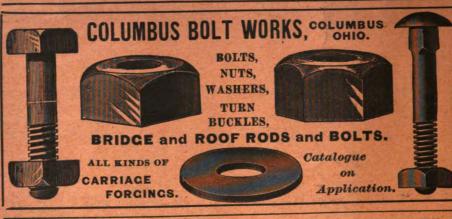
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VOL. XXIV, No. 12

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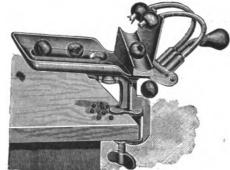
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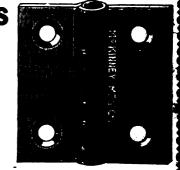
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If you want your store made attractive light it with

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# STERLING ARC SYSTEM

The simplest lamp, with fewer parts than any ner on the market. Nothing to get out of order.
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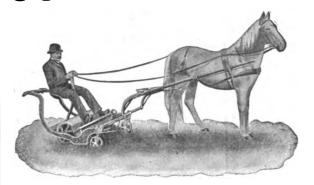
Sterling White Light Gas Lamp Co., STERLING, ILL.



\$000 Candle Power (in door.)

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# **COLDWELL LAWN MOWERS**



ALL KINDS

Hand, Horse Steam Power



COLDWELL LAWN MOWER COMPANY

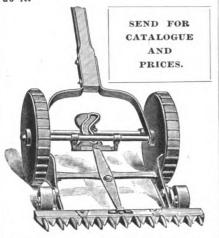
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Used Ex.lusively and Highest Awards at both Paris and Pan-American Exposition Used Exclusively in Greater New York Parks

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That will Kill all the Weeds in your Lawns. If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders of roots the grass will become thick and weeds will disappear. The Clipper will do it.



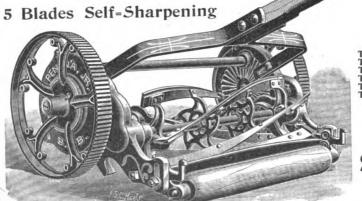
CLIPPER LAWN MOWER CO., (INCORPORATED)

NORRISTOWN, PA.



Chadborn & Coldwell Mfg.Co.,

First Award, Gold Medal, Pan-American Exposition, 1901, on our Full Line Lawn Mowers Pennsylvania, Jr. Ball Bearing Mower



**OUR FULL LINE** 

Great American Ball Bearing The New Departure The Belmont The Girard

The Pennsylvania
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The New Depar
The Belmont
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The Westfield
Pennsylvania Horse and Pony Standard Lawn Mowers of the World Have taken FIRST prizes wherever exhibited

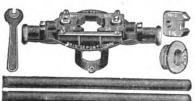
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Largest Manufacturers of Lawn Mowers in the World PHILADELPHIA, PA.

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Adjustable Stock, No 3, and Pipe Dies.

Adjustable Stocks and Dies, Pipe Threading and Cutting - off Machines, Clamp Dogs, Cutters, Vises, Pipe Wrenches, Nipple-holders. Everything that water, steam and gas

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Manufactured by

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New York Cabinet Glue Works

A strong durable Animal Liquid Glue

For Woodworkers, Manufacturers and Householders

Put up in self-sealing cans all sizes from 2 oz. to gals.

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These Springs are all oiltempered and are made of an extra quality of wire drawn specially for our own use, of the same grade of stock as we use for the Springs that we put in our Spring Scales.





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On THIS Drier there are no rough, jagged edges to tear the finest fabric. A slight movement of the hand, it's ready for use; a simple turn, it's out of the way. Strongly made of hard wood, finished in all ished in oil.

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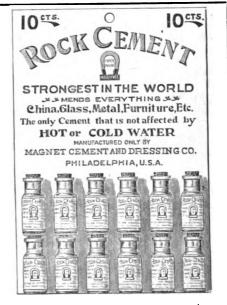
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Put up 1 doz. attached to attractive display cards.

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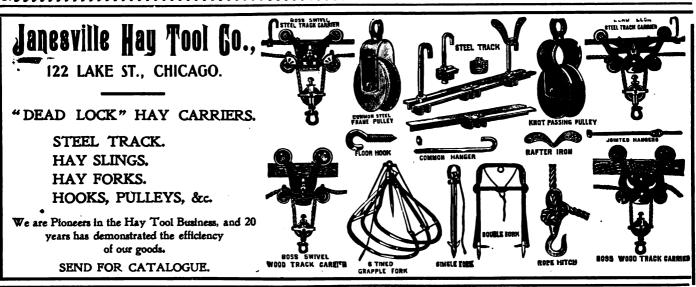
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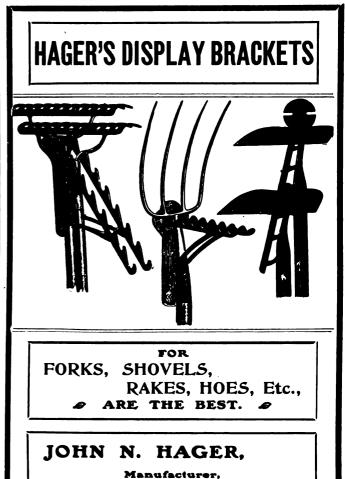
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Made for special use of Gunsmiths, Fitters, Electricians and Mechanics requiring a strong, substantial screw driver with a short stub blade.

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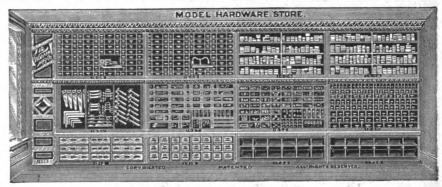
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It is easy to work.

It cannot tear the clothes.

It adjusts itself to the size of the wash. It has a removable bottom, making it easy

It will wash lace curtains and needlework without tearing, and better than you can do it on a washboard.

It is simple in construction, and has no complicated machinery to get out of order.

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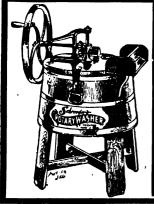


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Our output to July 1st, 1902, is entirely sold. This is so because those who have handled them know that

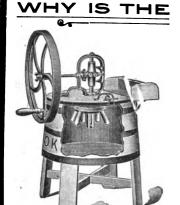
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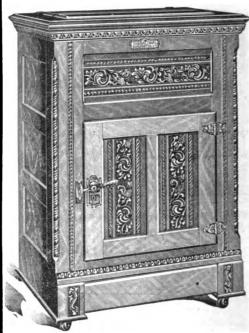
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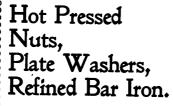
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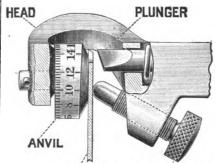
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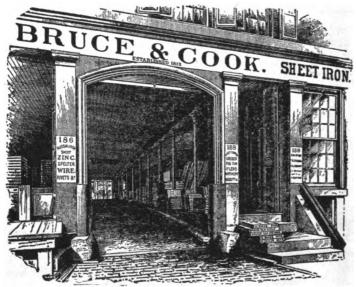


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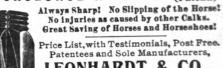
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which prevents the flame from burning too high.

For Bed Room, Smoking Room, Bath Room, Library, Nursery, Office, Conserva-tory, Camp or Cottage.

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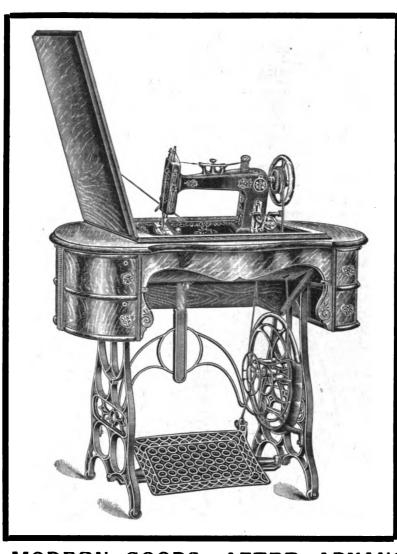
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Unless it be that the owner may sew, day in and day out, light goods, heavy goods, plain work or fancy, and the machine will always do its part faithfully.

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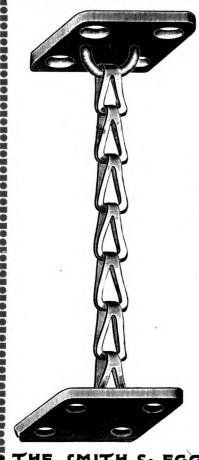
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HAS A

## **Clock Spring Steel Bottom**

Of extreme durability and springiness. The CYLINDER is of DOUBLE THICKNESS around the lower edge, and is drawn seamless from extra heavy "Swedch" Steel, Beautifully Finished It readily commends itself to all AGRICULTURAL and HARD-WARE DEALERS on account of its Elegance, Durability and Cheanness.

Special price on large orders from the Jobbing Trade.

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ORDER NOW FOR SPRING DELIVERY.

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THE AMERICAN TUBE & STAMPING CO..

SUCCESSOR TO . . .

The Wilmot & Hobbs Mfg.Co.
BRIDGEPORT,
CONN.



HARDWARE

The following named gentlemen were unanimously elected to membership in the Hardware Club of New York at the March meeting of its board of governors:

Fred H. Cozzens, 13 Park Row, New York.
Frank A. Fuller, 35 South William Street, New York.
John K. Hayward, 280 Broadway, New York.
Charles S. Whitman, 2 Tryon Row, New York.
Walter F. Burns, Chicago, Ill.

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At the annual meeting of the Hardware Club, March 15th, the following governors, whose terms had expired, were unanimously re-elected for three years: George H. Sargent, Arthur G. Sherman, Robert Sickels, Robert H. Swayze, Edward C. Van Glahn. The reports of the officers showed the club to be in an eminently satisfactory condition in every respect.

£

It is reported by way of St. Louis that at a secret conference held in New York City last week, a company was formed with a capital of \$30,000,000, composed of the houses of Simmons Hardware Co., of St. Louis; Hibbard, Spencer, Bartlett & Co., of Chicago, and Bigelow & Dowse Co., of Boston. This would make a strong consolidation of important interests, but would scarcely revolutionize the Hardware trade as a Trust.

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At the annual meeting of the Board of Governors of the Hardware Club of New York, held on March 20th, a presentation of a complete service of cutlery was made to the treasurer, Thomas F. Keating, in commemoration of the completion of ten years of consecutive service as treasurer of the club. The service consisted of dinner and dessert knives and a full set of carvers, all in pearl handles, with sterling silver mountings. They were arranged in a handsome oak cabinet on special trays, attractively lined throughout, the whole outfit forming an admirable and appropriate selection for the purpose for which it was prepared.

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The members of the Montreal Metal and Hardware Manufacturers and Merchants' Association held their first annual dinner at the Montreal Club, March 13th. The chair was occupied by the president, Mr. Jas. W. Pyke, and the vice-chairs by Messrs. Wm. McMaster and George Caverhill. After the dinner those present amused themselves with games of ping-pong and billiards. The following is a list of those who attended: Fred. Bacon, Thos. P. Bacon, H. M. Blaiklock, A. H. Campbell, George Caverhill, George J. Crowdy, T. Charles Davidson, Randolph Hersey, A. E. Hanna, J. R. Kinghorn, J. B. Learmont, W. S. Leslie, J. T. McCall, Wm. McMaster, J. C. McCormick, T. H. Newman, T. L. Paton, C. J. Peters (Winnipeg), Jas. W. Pyke, Robert Starke, Wm. Starke and J. Stanley Cook, secretacy.

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Owing to the scarcity of Mother-of-Pearl and the consequent heavy advance in the price of this material, a special meeting of the American Pocket Cutlery Manufacturers' Association was held at the Hotel St. Denis, New York, on March 20, to consider the question of the selling prices of pearl handle pocket knives. The meeting was largely attended, and it was unanimously resolved to immediately withdraw all quotations on pearl handle pocket knives and to revise the selling prices in accordance with the advanced cost of the raw material.

There seems to be no end to the advertising matter distributed by Sargent & Co. in the interest of the Gem Food Chopper. Among the latest is a striking circular printed in blue on bright vermillion paper, with a 5½-inch cut of the chopper illustrating it. The novelty of the ad. consists in its reaching the reader folded three-cornerwise in a very ingenious manner, which permits its safe transit through the mails.

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The National Retail Hardware Association, which has been in session in Chicago for two days, March 19 and 20, elected the following officers for the ensuing year: President, H. G. Cormick, Centralia, Ill.; vice-president, C. N. Barnes, Grand Forks, N. D.; treasurer, W. P. Bogardus, Mount Vernon, Ohio. M. L. Corey, Argos, Ind., was re-elected secretary.

It has been decided to hold the Twelfth Annual Convention of the Southern Hardware Jobbers' Association at Atlantic City, N. J., commencing on Tuesday, June 17th, and ending Friday, June 20th. The association having already enjoyed the beneficent hospitality of that ideal location for a convention held during the Summer months, the desire was a strong one to repeat the pleasant experience.

£

The Strong Hardware Co., of Burlington, Vermont, the leading Hardware concern of northern and western Vermont, has just purchased the bankrupt stock of Hardware of S. W. Woodbury of Northampton, Mass. The stock is inventoried at \$20,000, and will be shipped to Burlington.

National Association of Manufacturers.

The seventh annual convention of the National Association of Manufacturers will be held in Indianapolis, April 15, 16 and 17. Local arrangements for the convention are being made by a committee of Indianapolis business men under the leadership of D. M. Parry, who has been for many years a member of the executive committee of the association, and a particularly hospitable welcome to visitors is assured. Members of the association are manifesting rather more than usual interest in this year's convention, and there is promise of an unusually large attendance from all parts of the country.

President Theodore C. Search announced at Detroit last year, when he consented to accept the presidency for the sixth time, that he could not serve the association in that capacity beyond the expiration of the present year. Mr. Search has recently made known his adherence to this determination, and one of the most interesting problems which the Indianapolis convention will have to consider will be the selection of a new president. This matter has been quietly discussed among the members for several months, but at present there is nothing to indicate upon whom the choice of the association will fall.

During the six years of Mr. Search's presidency the membership of the association has increased from less than 200 to more than a thousand, and a vast amount of hard work has been done to promote the interests of the manufacturers of the United States in a broad-minded, public-spirited way.

The National Association of Manufacturers was organized in Cincinnati in 1895, and its annual conventions have been held in Chicago, Philadelphia, New York, Cincinnati, Boston and Detroit.



HARDWARE

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MARCH 25, 1902.

NO. 1

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.

HARDWARE is published on the 10th and 25th of each month. The subscription is \$1.00 a year, payable in advance.

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The Name of your Post-office and of the State you live in should always follow your own name when writing to this office. We cannot find your name on our books unless this is done.

Letters should be addressed

HARDWARE PUBLISHING CO., 975 Broadway, New York.

L. E. MITCHELL,

President.

A. P. MITCHELL,

Secretary and Treasurer.

HENRY HOPKINS,

Editor.

A. E. BOLLES,

Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper n the United States Devoted Exclusively to the Hardware Trade.

Editorial Trade Review.

The wintry conditions which prevailed during the past fortnight checked to a limited extent the anxious urgency with which the forwarding of early Spring requirements has been associated, and the let up was appreciated by the bustling jobbers, who have been doing their best to push orders to completion for an early shipment. Business keeps at an extremely active standard wherever heard from, travelers meeting with unqualified success in their migrations, and full and well-assorted orders for stock supply are daily forwarded for early attention.

The freshets having subsided almost entirely, restore a feeling of confidence where before was prevailing gloom over uncertain conditions, in which prospective prosperity died a-borning and wrecks and devastation covered too large a section of country. The mills, hindered by these unexpected obstructions to productiveness, are again assuming normal conditions of supply, and although greatly overtaxed to fill orders to the satisfaction of everybody, are able to make more definite promises that stand a good chance of fulfilment. Although the factories generally have their order books crowded with orders taken early from the optimistic jobbing fraternity, supplementary requisitions are going forward daily, as unexpected demands bid fair to deplete the jobber's own supply of goods in excess of even the generous anticipations previously entertained.

The manufacturer has troubles of his own in obtaining

a supply of his wants in the way of raw material, the inability to obtain prompt transportation in some sections still preventing the mills from making complete deliveries of stock in every instance.

The prevailing tone of the several markets in our industry is a firm and encouraging one, no positive weakness being perceptible anywhere. In fact, several comparatively small advances are noted, tending to brace up the market on analogous goods, and stimulate deliveries so as to profit by the advancing quotations. On some leading staples advances are expected early in April, and the indications at present seem to favor largely a firm and rigid line of quotations that will cause the Spring business to move along with no fear of loss, and with but little opportunity for speculation.

From all reports within reach, Shelf Hardware is shown to be actively in demand, better goods than has formerly been the case being consistently called for. The demand for heavy Hardware is a noticeable one, and being nearer the raw material than some lines, is more easily susceptible to changing quotations. Orders have been remarkably good on Wire Screens and Screen Doors, Steel Goods, Mechanics' Tools of good grade, Cream Freezers, and Wire products generally, especially Wire Fencing. The most hopeful outlook is the one now before us. The Winter being in its last stages, must soon give way to the more genial environment of our enjoyable Spring temperature. We will soon forget the inconveniences of the past few weeks, when storms and freshets created moments of peril and days of uncertainty. Trade and collections are now exceedingly good.

The Reduction in Volume of Exports.

The reduction of forty-one million dollars in the exports of the United States for the eight months ending with February is not considered at all discouraging by those interested in the growth of our export trade, nor is it an indication of a decline in the general growth of that trade. On the contrary, in all important articles except three, in which conditions are abnormal, there has been an increase. The decrease is solely, or practically so, in corn, due to the great crop shortage caused by the drouth of last summer; in copper, in which prices have greatly fallen, and in iron and steel manufactures, due to the unusual demand of the home market upon our manufacturers and the reduced demand in foreign markets. In corn and corn meal alone the exports fall more than forty-seven million dollars below those of the corresponding period of last year, while the total decrease in all exports is but \$41,012,584; showing that if corn exports were normal the total figures would show an increase of more than six million dollars over last year and over the corresponding period of any preceding year. In iron and steel manufactures, the figures of the seven months ending with January (February figures being not yet available) show a reduction of about sixteen million dollars in exports, this, as has already been explained, being due to the excessive demand of the home market upon our manufacturers and the lower prices and reduced demand abroad. In copper, the only other important article which showed a decline, the figures for January show an increase of nearly 50% in quantity, and a slight decrease in value, compared with those of January, 1901 (February figures being not yet available), though for the seven months ending with January, the export figures still fall considerably below those of the preceding year.

In three items alone, corn, copper, and manufactures of iron and steel, in each of which the falling off in exports is due to exceptional causes and may be considered as tempo-



rary, the reduction is over seventy million dollars, while the total reduction in exports for the eight months ending with February is but forty-one million dollars, showing that in other articles than those in which conditions are abnormal there has been an increase in exports of more than thirty million dollars.

Even with this decrease of forty-one million dollars the United States still stands at the head of the world's exporting nations, the total exports of domestic merchandise being: United States, \$957,986,427; and the United Kingdom, which most nearly approaches the figures of the United States, \$911,346,250.

Improvement in the Export of Manufactures.

The export figures for the month of January, and the seven months ending with January, 1902, just completed by the Treasury Bureau of Statistics, show an improvement in the outward movement of manufactures. In the month of January, 1902, the exports of manufactures amounted to \$34,-412,992, against \$32,654,035 in January, 1901, and are the largest shown in any January except 1900, when the total was \$35,586,940. Compared with January, 1901, it will be seen that the figures show a gain of nearly \$2,000,000 in the exports of manufactures. For the seven months ending with January the exports of manufactures are about thirteen millions less than those for the corresponding period of the fiscal year 1901. Indeed, manufactures for the month of January show greater evidence of activity in the export trade than any other class of our exports, being the only great class of exports which shows an increase in January, 1902, over January, 1901. Agricultural exports in January, 1902, fall eight millions below those of January last year, while products of the mines, forests, and fisheries are in January, 1902, slightly below those of January, 1901; while manufactures, as above indicated, are nearly two millions greater than those of January, 1901. In the three great articles in which manufactures had shown a decline during the past year-illuminating oil, copper manufactures and manufactures of iron and steel—there is a decided improvement, especially in illuminating oil and copper. The January exports of illuminating oil are \$4,579,970, against \$3,986,019 in January, 1901; and for the seven months ending with January are \$33,-774,156, against \$31,166,759 in the seven months ending with January, 1901, and \$33,239,556 in the corresponding months ending with January, 1900, thus exceeding the highest preceding record in the value of exports of mineral oil during the period under consideration.

In copper manufactures the exports of January are valued at \$3,965,622, against \$3,790,364 in January of last year. The quantity exported has very largely increased, the total number of pounds of copper ingots alone (which form the bulk of copper manufactures) being in January, 1902, 32,085,041 pounds, against 22,270,030 pounds in January, 1901, and 28,389,422 in January, 1900. For the seven months, however, the exports of copper manufactures are still about nine million dollars below those of the corresponding seven months of the preceding fiscal year. It will be observed that the quantity of copper exported has greatly increased, though the value shows but a comparatively slight increase. The only item of importance in the list of manufactures exported which still shows a reduction is that of iron and steel, which falls in January about a million and a half dollars below the figures of January, 1901, being in January, 1902, \$8,088,958, against \$9,610,552 in January, 1901, and \$10,218,628 in January, 1900. For the seven months the total exports of iron and steel manufactures were valued at \$57,290,128, against \$73,616,467 for the seven months ending with January, 1901, and \$66,504,611 for the corresponding seven months of the fiscal year 1900.

The continued activity of the American manufacturer, which is shown in the steady outward movement of all manufactures except in the one class above noted, is further illustrated by a remarkable increase in the importations of manufacturers' materials. The Bureau of Statistics classifies the importations into five great groups: foodstuffs, raw materials for use in manufacturing, material partially or wholly manufactured for use in manufacturing, finished manufactures, and luxuries. In these five great divisions the chief increase is in manufacturers' materials. They show in the single month of January an increase of seven and a half million dollars, and in the seven months ending with January an increase of fifty million dollars, compared with the corresponding periods of the preceding fiscal year. The total increase in importations during the seven months ending with January is sixty-seven million dollars, of which fifty million dollars is in manufacturers' materials.

The following table shows the imports and exports by great classes in the month of January, 1902, compared with January, 1901:

	JANUA	ARY.
IMPORTS.	1901.	1902.
	Dollars.	Dollars.
Food and live animals	16,718,448	16 278,458
Crude manufacturers' material	28,166,281	80,445,698
Partially manufactured or wholly manu-	,,	,,
factured materials for manufacturers' use,	6.411.688	6,886,890
Finished manufactures	11,709,259	12,910,991
Luxuries, etc	11,801,404	12,621,235
The state of the s	69,807,080	79,188,193
Total imports	09,007,000	19,100,188
. EXPORTS.		
	92,565,242	84,477,950
	82,654,085	84,412,992
Products of mines	8,011,212	2,912,011
Products of forests	8,988,475	8,328,987
Products of fisheries	656,301	477,719
Miscellaneous	505,310	756,651
Market Day and a second		126,366,310
Total Domestic exports1	00,010,010	2,770,184
Foreign exports		
Total exports	36,825,601	129,186,444

Pennsylvania Retail Hardware Dealers' Association.

On March 12 the following circular was issued, having reference to the meeting this week of the Pennsylvania Retail Hardware Dealers' Association:

The Pennsylvania Retail Hardware Dealers' Association will meet at the Monongahela House, Pittsburgh, March 26 and 27.

You are cordially invited to attend these meetings, and if you are not already a member, we hope that it is not because you think such organizations are unnecessary.

The truth must be forced upon us that there is only one force mighty enough to cope with the powerful influences that are operating to undo us, and that is the combined forces of the retail dealers of the country.

It is useless for the few to make their protests against these evils. We must plan, as great conquests are planned, and units, as by co-operation only great victories are achieved.

unite, as by co-operation only great victories are achieved.
We need your help. Will you be present at these meetings?

Please reply promptly on the inclosed postal card, as the Committee on Entertainment desires to complete its work.

J. F. Frye, Secretary.

J. E. Degry, H. F. Robinson, G. F. Rudolph, Programme

The above circular has been forwarded to the retail Hardware merchants in the State whose names the association have been able to obtain. Those who are missed will understand it is not by design, as the officers desire to have every Hardware dealer in that State attend the meeting and eventually become a member of the association. Complete arrangements have been made by which it is hoped a very interesting and profitable meeting will be the result, and succeed in obtaining an important accession of members. Any further information that may be desired having reference to the Convention may be obtained from the Secretary, J. F. Frye, Charleroi, Pa.

"And you broke off the engagement?" said one young man. "Yes—not brutally, you know—but I managed it."

"Told her what my salary is."—Ex.

The Dunham Jr. Hand Lawn Roller.

In towns and cities of any importance it will be generally observed that the people who own homes, and even factories and business establishments, take each year more and more interest in the artistic surroundings of their particular location with each succeeding year to make it look more homelike and attractive. In many places it is even made compulsory by town ordinances to keep the streets clean and the lawns in proper condition, not only for the benefit of the property holders, but to further the reputation of the village and stamp the people as enterprising and progressive.

No part surrounding a home should be looked after with more care than the lawn. The lawn is to the outside appearance what a carpet is to the inside. Even though the house may be a humble one, if the lawn be large and, more especially, green, how much more enjoyable is its appearance?

The question now arises, What is essential to make the lawn present this appearance? If you will but stop to consider the work of the farmer in tilling the soil for crops in the Spring, and the many different implements and tools he uses to insure the same, does it not seem that many lawns are neglected? There are few implements the farmer uses that serve him to better advantage than the Land Roller, for it is a well known fact that in the early Spring the frost coming up from the earth, upheaves it, and thus leaves it in a



THE DOMINIA ON HIM DE WAY ROBBIN

rough and loose condition, which is detrimental to the proper growth of seed. No doubt it would remain just so were it not rolled and firmly packed in the Spring season. This process also serves to retain the moisture below the surface as nourishment to the roots.

In order to have a lawn worthy of the name, nearly the same work must be done and about the same line of implements be used, with, of course, some variation as to size. With this end in view we present herewith a cut of the Dunham Jr. Hand Lawn Roller, designed for use on private lawns and gardens.

This small but useful implement is manufactured by J. W. Dunham & Son, Berea, Ohio, who have a reputation of making a large and complete line of land preparing machinery. The Dunham Jr. Lawn Roller is made in two sections, each 12 inches wide by 20 inches high, and of sufficient weight to pack the soil thoroughly. Where more weight is desired they supply extra weights, two of which can be put inside of each section and attached to axle with set screw. The machine is made in many other sizes, and is made strong and durable enough to last a lifetime. The Hardware trade will find that an increasing demand each year will result from their early introduction, as from their moderate price, dealers who have handled them find them good sellers. Further information and prices will be gladly forwarded upon application to the manufacturers.

New England Hardware Dealers' Association.

The regular monthly meeting of the New England Hardware Dealers' Association was held at the Quincy House, Boston, Wednesday, March 12th, President S. D. Balkam in the chair. The business meeting was held immediately after

the usual dinner. A. M. Mackenzie was elected to membership. In distributing the notices announcing the forthcoming meeting, a slip was sent to the members on which they were invited to give selling prices of a number of articles sold by them, in which more or less varying quotations were usually noticeable. With a view to bringing about, if possible, more uniformity in selling prices, especially of staple articles, it was deemed advisable to obtain such prices as were made by the members for the purpose of comparison, and endeavor to make them less at variance. These slips were returned at this meeting, and a careful comparison followed, which gave every evidence that greater uniformity prevailed in the trade than was thought possible, showing that the effort made previously to accomplish this had produced good results. The association is trying very hard to increase the membership, realizing that in numbers there is strength, and that an association of this character becomes more important with an increasing membership. The methods of accomplishing this object were discussed at this meeting, but no definite conclusion was reached. Calvin M. Nichols and Henry M. Sanders were appointed an entertainment committee for the April meeting. D. Fletcher Barber gave notice that at the next meeting a change in Art. XII of the by-laws would be asked for. The Hon. Willard Howland, of Chelsea, was the principal speaker of the evening, and held the attention of the association thoroughly while he discoursed on "The Duty of the Business Men to the State," after which the meeting adjourned.

Spalding's Catalogue of Spring and Summer Sports.

Spalding's large catalogue for the trade is specially prepared for them, and is a work of art. No expense has been spared this year in making the catalogue the most complete ever issued by them. It certainly is a work of art, and reflects great credit on those who produced it. The illustrated cover is an unusually attractive one, and the three lifelike illustrations of a golf player, lawn tennis player and baseball player display considerable artistic ability. The catalogue is printed on superior paper, and contains over 500 illustrations, making it a valuable compendium that should be at the right hand of every buyer in the business.

Spalding's complete line of baseball supplies, which contains the latest styles of bats, new mitts and other baseball equipment, is fully illustrated.

The tennis department is much more complete this year than ever, and Spalding's new line of tennis rackets is shown in two beautiful pages of half-tone illustrations. The new styles of tennis nets, and the new championship tennis poles and the backstop nets, are illustrated in a very artistic manner.

This year's catalogue is more complete than ever, and will be sent postpaid to any dealer free of charge. Those who are not dealers will receive this catalogue on receipt of five cents to cover the actual cost of mailing.

Testifying to Its Superiority.

Providence, R. I., Nov. 21, 1901.

Canada Corundum Co., Toronto, Can.

Gentlemen: Replying to yours of the 18th inst., we take pleasure in testifying to the superiority of Canada Corundum over any Emery or artificial abrasives we have ever seen. Our constantly increasing orders for your material are the best evidence we can offer as to our opinion of it. Yours very truly,

AMERICAN EMERY WHEEL WORKS,

H. A. RICHMOND, General Manager.

Tramp—Give us a nickel, will yer, lady? Lady—Aren't you ashamed to strike a woman?



CALIFORNIA STATE RETAIL HDWE. ASSN.

The 344 members who attended the second annual meeting in San Francisco of the California State Retail Hardware Association, on March 10 and 11, are superlatively happy over the results attained, especially at the second day's session, which was largely devoted to conference with a representative delegation from the Pacific Coast Hardware and Metal Association, the jobbers' organization. And so, it is predicted, will every other Hardware retailer in the State be comforted when he receives the executive committee's report of the meeting, which is to be prepared and distributed.

This large meeting of the delegates, representing the five local associations of retail Hardware dealers in the State, held its sessions in the Marble Hall of the Palace Hotel, the applauded opening address, which was one of hearty welcome, being delivered by Mayor Eugene Schmitz, the new chief executive official of San Francisco, who has always been identified as a practical man of industry in this city's affairs, and who was elected by the industrial vote.

Mayor Schmitz's words of welcome were followed by the address (which was received with fervent appreciation) of the presiding officer, O. F. Sites, of the Palace Hardware Co. of San Francisco, the president of the State Association, who spoke substantially as follows:

THE PRESIDENT'S ADDRESS.

Members of the California State Retail Hardware Association—Gentlemen: Through some strange decree of fate the retail Hardware merchant seems to be beset with more annoyances than the dealer in any other line of merchandise. Some of these annoyances are local in character, while others, more serious, affect every dealer throughout our beautiful State.

About four years ago the retail Hardware dealers of Sacramento Valley, goaded by existing evils in their district, organized the Pacific Retail Hardware Association, with John C. White of Marysville as its president. They commenced a vigorous, and carried on so energetic a campaign that, under his wise guidance, they accomplished a vast amount of good, and succeeded in eliminating many grievances that had heretofore rendered their business life almost unbearable. They were enabled thereby to make better showings in their business summary each year, and so contentment has dethroned discontent, whose reign had already been far too long.

Some two years later the San Francisco and Oakland Retail Hardware Dealers' Association was formed, and like its prototype, the Pacific, its efforts were rewarded by the most gratifying success.

The amount of good accomplished by these two associations was so apparent that the more enthusiastic members of each conceived the plan of amalgamating the two bodies, that they might work together in stimulating the merchants in other districts to form other associations, then bringing them together by affiliation until the whole State should be completely organized and working together for the common good of all, the *local* associations to adjust matters of local interest, the higher body to adjust and remedy all matters of a more widespread and broader character.

This State body was the culmination of our hopes, and was finally constituted by the executive committees of the two associations I have mentioned, February 15th, 1901, with myself chosen as its first presiding officer.

A common fault heretofore found everywhere was the strange way in which each merchant regarded his neighbor and competitor. We were the reputable dealer, our neighbor the disturber. Organization, coming together, has melted this largely away. We found our competing brothers estimable gentlemen after all, and have learned to love, where once mere toleration was all we were willing to bestow.

So, gentlemen, as I look into your faces to-day, I feel that every one is my close friend, that his trials are mine, and it is for-us truly to help bear one another's burdens.

Is not this in itself a great reward for our efforts? And were there no other benefits to be enumerated, have we not been well and truly paid?

Next in order, by way of preface to his elaborate yearly report in detail, which, by the way, will be considered with other matter of association interest by the executive committee before given out to the trade papers, Sccretary Henry Gracey said:

THE SECRETARY'S REPORT.

Mr. President and Fellow Hardwaremen: During the last twelve months the entire Hardware trade of the State have been communicated with several times, giving information from the executive committee as to formulated plans for our organization work, and receiving in return from many individual and company dealers wholesome suggestions, and I wish to emphasize that I appreciate to the fullest extent the confidence, friendship and encouragement you have accorded me in my work. Your executive committee has been untiring in effort to organize the State trade into local organizations, preparatory to becoming affiliated with the State body. Under present laws our State Association embodies only local retail Hardware associations, the reason for this being principally to obviate a great expense and a great deal of work, which of necessity would be the case in the instance of accepting the individual Hardware dealer to become a direct member of the State association. From this time on it may be expedient, however, to make some changes as needs demand, hence I would suggest that this matter be taken up at this meeting.

February 15, 1901, our State association organized, with two local associations as members, the Pacific Retail Hardware Association, numbering 78 members, with headquarters at Marysville, and the San Francisco and Oakland Retail Hardware Dealers' Association, numbering 20 members, both now, by the way, largely increased as to membership, the last named showing an increase upward of an hundred fold. In addition to the two societies named, the State association embraces also these three: Central Retail Hardware Association, with headquarters at Salinas; San Joaquin Valley Retail Hardware Association, with Fresno for headquarters, and Southern California Retail Hardware and Implement Association, headquarters being at Los Angeles, the total membership exceeding four hundred retail Hardware dealers.

And now, brothers, a few words as to our individual duty. If you knew an earthquake was coming, you would naturally look for a place of safety; if you knew some standard article of Hardware was going to take an advance, you would hasten to buy. The professional dead-beat can go from store to store, obtaining credit simply because you do not know he has already robbed your neighbor. Hence one of the absolute necessities for successful work is a true knowledge of the situation. This must come from you personally. Every member should report occasionally. It may be to send a circular or advertisement, particulars of something or other. These reports as a whole furnish an intelligent knowledge for successful work. Your secretary is no mind reader; he can not afford to take chances of falling into a false position, and so he confidently looks to you, and you alone, for reliable information, co-operation and assistance.

information, co-operation and assistance.

In concluding, I wish to bring to your notice the active part your president has taken in this work. We have been in very frequent consultation, and there has not been a semblance of discord or divergence of opinion. His counsel has been wise and freely given. There has not been a task or a demand that he has not met with cheerfulness; no matter how pressing his business, he has evaded nothing.

Following the secretary's report were other remarks by several interior dealers that likewise touched upon vital matters affecting the welfare of the trade, and caused a warm debating consideration in executive session that consumed much of the first afternoon, the later part of the day being devoted to the election of officers for the ensuing year, resulting as follows: President, O. F. Sites (re-elected), San Francisco; vice-president, G. A. Gutman (re-elected), Germantown; secretary, Henry Gracey (re-elected), San Francisco; treasurer, H. C. Bennett, San Francisco. The following executive committee, consisting of two representatives from each of the five local organizations, was also chosen: C. W. Bennett, Fresno; Theodore Turner, Modesto; E. A. Eaton, Salinas; J. W. Baxter, Watsonville; W. L. Lutz, Santa Ana; E. C. Dawe, Santa Barbara; John C. White, Marysville; A. L. Nichols, Chico; S. Armstrong, San Francisco, and Max M. Brown, San Francisco.

The major portion of the second day's sessions were devoted to a conference with the members of the Pacific Coast Hardware and Metal Association, or the San Francisco jobbers. Some had talked of this as a threatening meeting, but it all developed into a clear and friendly understanding, after some wordy battles on the floor of the convention.

On the third day upward of three hundred of these Hardwaremen from all parts of the State were the guests, with their wives, of the members of the Pacific Coast Hardware and Metal Association for an extended pleasure tour of the bay on the steamer Monticello, including a special trip to the summit of Mount Tamalpais for luncheon.

The American Hardware Corporation.

The final details have been completed, and the P. & F. Corbin Co. and the Russell & Erwin Mfg. Co. can now be said to be successfully merged into the American Hardware Corporation. The formal details were completed at a meeting of the directors of the subordinate companies held in the office of the P. & F. Corbin Co. on March 13. The personnel of the board of directors who will control the destinies of New Britain's giant corporation was decided upon.

The directors are as follows: Hon. Philip Corbin, Andrew Corbin, Charles M. Jarvis, Charles H. Parsons, Charles Glover, George J. Laighton, Andrew J. Sloper, Howard S. Hart, William G. Smythe.

The directors of the American Hardware Corporation then

met and elected the following officers:

President-Hon. Philip Corbin.

First Vice-President-Charles M. Jarvis. Second Vice-President-George J. Laighton.

Treasurer--A. J. Sloper.

Assistant Treasurer-Charles E. Wetmore.

Secretary—Theodore E. Smith.

Less than one-tenth of the stock of the subordinate companies remain as yet untransferred. This clearly emphasizes the disposition of the stockholders towards the merger, considering that only about three weeks has transpired since the announcement of the plan was sent out to the stockhold-The time limit fixed at that time for the transfer of stock was April 1, and there is little room for doubt that by that date all the stock will have been exchanged for American Hardware Corporation stock.

The articles of incorporation have been filed with the secretary of State and with the town clerk, and from this date the affairs of the two companies will be conducted under the

one head.

Demand for American Machinery in Belgium.

Consul Winslow writes from Liege, February 17, 1902, that the business outlook in that part of Belgium is much brighter, and that there is a fine opening for American goods, especially labor-saving machinery. Belgian manufacturers are beginning to realize that in order to successfully meet the competition of the United States, up-to-date machinery is necessary, and in the opinion of the consul there is in that country a market for this class of our exports. He says that he has recently had many calls for addresses of American firms engaged in various lines of manufacture, and that he is cognizant of an opportunity to furnish tools and machinery for an extensive rubber plant, as well as an outfit for a manufactory of enameled ware, communications in regard to which may be addressed to John Gross, Rue Chevanfosse 13, Liege.

American Wringer Co.

AMERICAN WRINGER Co., New York. Pamphlet catalogue of 88 pages, very carefully compiled and handsomely printed in colors throughout by the aid of lithography, every article of their large product being shown in a very attractive manner by this process, the frontispiece giving an idea of the Woonsocket plant of the company, which is claimed to be the largest clothes wringer and rubber roll factory in the world, and the extent, as illustrated, would seem to indicate the truth of this statement. The various Wringers that form the product of this well-known company are fully shown and described, including the Horse Shoe Brand, the Royal, the Universal, Keystone, Empire, Novelty, Excelsior, etc. All the details of changes and improvements are fully shown and illustrated, giving the sizes and dimensions of each particular Wringer, and manner of packing, and such other particulars as the dealer would require in order to purchase them



understandingly. Included in the contents of this attractive catalogue will be found, in addition to the regular and usual line, Show Stands, Gem Toy Wringers, Empire Clothes Dryers, Universal Mop Wringers, Household Folding Benches, and Ball Bearing Clothes Mangles, together with several other Mangles marketed under the name of the Universal, Eclipse and American. Prices are given throughout, and altogether it is the handsomest catalogue we have seen from this company up to date. The advertising department of the company furnish free of charge to those handling their goods electrotypes and advertising matter to illustrate and describe their Horse Shoe Brand Wringers. This is intended to facilitate local advertising, and should be availed of by the dealers handling their product. In the price list accompanying the catalogue are given "wholesale case lot prices," which are strictly net, and cover the entire contents of the catalogue.

Spraying and Sprayers.

The use of a sprayer to exterminate insects on trees and plants is a necessity where profit is to be considered by a fruit and vegetable grower. The Comet Sprayer can be used from bucket or barrel and throws a continuous stream or spray 50 feet. Its uses are manifold about the premises, for putting out incipient fires, washing windows and buggies, sprinkling lawns, plants and crops, as well as for destroying insects. It is worth our readers' while to send to its maker, H. B. Rusler, Johnstown, Ohio, for an illustrated catalogue and learn the value of the Comet Sprayer.

SHOULD AULD ACQUAINTANCE BE FORGOT".-III

"Calling back voiceful years. Lingering by some with tears. Hearing, through hopes and fears, That watchword 'Do.'"

Ah! what sweet memories cling to No. 193 Pearl Street, occupied in my boyhood days by the Hardware firm of Wolfe & Gillespie. Mr. John Wolfe, always a kind, courteous, and polished, true gentleman. George D. H. Gillespie, a genuine type of "full orbed manhood," one who truly did "scatter seeds of kindness." I well remember his effective kindness to me, both in sickness and in health. And there were also the Bruff brothers, Richard P. and Charles Bruff, H. S. Hurxthal, and George Arthur Seaver.

Charles Bruff and H. S. Hurxthal have been

"Loosed from the finite shore, Infinite truth before. Grander, with nobler life to fill."

And John Wolfe and George D. H. Gillespie, both with them.

I would that earth's choicest roses be woven in a wreath to each of their memories—roses—
"Thornless, fadeless, sweet."

And to the living, I would say, that I most sincerely cherish the friendship of those with whom it was my pleasure to be associated. I well remember the many kindnesses shown to me by Richard P. Bruff, with profound feelings of grati-

George Arthur Seaver, I understand, is living in the Crescent City. Here's to you, my old chum, with assurances of kindly remembrances! We are all to-day

> "Nearer the great white throne. Nearer the crystal sea."

Young Theodore Wilmerding was also a clerk with me, and most of the antics that we boys indulged in were generally of the harmless type, such as sending out a new clerk to buy, in order to complete some bills, double bladed shoe knives, or thirty-inch mill saw files.

Walter R. Wood, afterwards in the grindstone business, was also one of my associate clerks with Wolfe & Gillespie. Unlike Theodore Wilmerding, who was about my equal in mischievousness, Walter was always dignified, and steady, He, of course, never, that is, "hardly ever," indulged in any mischief. John Wolfe had stored in the cellar of the store, 193 Pearl Street, a quantity of wine in baskets piled up one on top of the other. One day the lower tier of baskets suddently collapsed, there being nothing but straw in them, bringing those above down on the empty baskets "a la squatte voo." Of course rats were blamed for absence of the bottles, and although we were then working very late at night, neither of us could throw any light upon the dark transaction. Mr. Wolfe told me confidentially that he was satisfied that the rats were the cause of the trouble, but they were of the two-legged species. Mr. Wolfe, gentleman that he was, never alluded to the subject again, but I assisted in removing the remaining baskets to his private residence in Twelfth Street, near Broadway. I have no doubt, "Hop," that in this episode originated the reply we use nowadays of "Oh, rats," when we hear an improbable yarn. Mr. Wolfe's house was in truth a picture gallery, and upon many an occasion I enjoyed studying the paintings hung therein. There are, no doubt, many living to-day will who remember the sale by Mr. Wolfe of his art treasures.

Our packer of general Hardware was Samuel Geary, who

only wanted the slip marked "complete" placed on a bill, when he would tackle it, and it was packed in a "jiffy," in good old-fashioned casks, and well packed, too. "Sammy" did not care to wrestle with a bill that had the slip on it, marked "leave open." He would give that particular bill a wide berth. "The "leave open" ticket was to convey the fact that there were goods to come in to complete the bill, and "Sammy" could never tell how much space was required, and, in fact, he never wanted to know, or would fail to understand when we endeavored to explain to him. All he wanted was "complete" on the goods. We had then what was called a "pick up" clerk, whose duties were to buy the goods necessary to complete each bill. Bills in those days were generally completed before packed and "back order books" very seldom used.

In the "busy season," which occurred in the Spring and Fall, we clerks often worked up to midnight, in laying out bills for the packer to work on the next morning. I carried one set of keys and the packer another set, so he could open the store in the early morning, he going home about 6 p. m. and I locking up at night. After so doing one night, and leaving with the others, I returned quietly, for the purpose of opening a cask of Wostenholm's pocket knives, and worked on them until nearly morning, locking the store from the inside, leaving the big key in the lock, and went to sleep on the lounge in the private office. The indefatigable "Sammy" could not get in, and what a racket he did raise. After a while I awoke, let him in, and received his benediction in a very unecclesias-

The guns we sold in those days were nearly all doublebarrel, of both English and Belgian manufacture. Length of barrel, 36, 38, 40, and even 42 inches. Bores 10, 11 and 12, all muzzle loaders, as there were no breech loaders then. Our stock embraced the well known English make of Wesley Richards, William Greener, and Moore & Harris. Deringer pistols, made by Henry Deringer, of Philadelphia, were sold then at \$25 a pair. George Hickox had charge of the gun department, which occupied our entire third floor. I succeeded to the management of the gun section, and held that position for many years. We did sell some guns then for sure. Our trade was entirely with the extreme Southern States, where the brand "Gillespie" on the lock was recognized as a pledge of good quality. Lehman's rifles, French powder horns, and game bags we also carried in stock. What a contrast between the guns sold in the "fifties," with their extreme length of barrel, and those of the present day. What advances toward perfection have been made. Then we had no "Parker," "Winchester," "Remington" or "Baker" with their 26, 28, or 30-inch barrels and "choke bore." I would not be surprised to learn that the present generation will fire their guns by "stored electricity."

When working nights during our "busy season" the firm allowed us boys 50 cents each for our suppers. This sum was sufficient for a "gorge" at either Clark & Brown's, in Maiden Lane; George W. Brown's, in Water Street, or Goslin's, in Nassau Street, opposite the old post office. At this latter named restaurant we often met "the boys" of Halstead, Haines & Co.'s dry goods house, who were then located at 31 Nassau Street, and we boys swapped yarns together, as to which house had sold the most goods and who had the largest number of bills not gotten out yet, we taking good care that our house led in this competition. After supper we went back to work, which lasted generally until midnight, sometimes all night. None grumbled, but all worked with a will as we realized two facts, one was the necessity of extra work, and the other that for six months of each year, we had comparatively nothing to do in the way of overwork, but with plenty of time to ourselves.

The practice of taking our customers to places of amusement was not so universal then, as now, still once and a while we would take a good one to Christy's minstrels, then at Mechanics Hall, 472 Broadway, or, perhaps, to Burton's Theatre, Chambers Street, which was then located where the American News Co. building now stands, and which before Billy Burton's time was the site of Palmo's Opera House. In the Fall of 1851, the Ravel family were playing at Niblo's Garden, Burton at his own theatre, Forrest at the Broadway, and Miss Charlotte Cushman at Brougham's Lyaeum, Broadway and Broome Street. The best seats, either in dress circle or parquet, at each of the above mentioned theatres, were 50 cents each, and no ticket speculators in sight. The old Park Theatre was destroyed by fire early in the evening of December 16, 1848.

We bought many circular, mill pit and cross cut saws from R. Hoe & Co., whose shops were then located at 29 Gold Street. Hoe's goods were then, as now, of first quality, and finish in every particular. I remember once attempting without any assistance to lower a lot of cross cuts, from our fourth floor. They had no ears rivetted to them, and I did not place the slings in proper position. Our hatchway in the Pearl Street store was in the centre of the building. The saws slipped through the slings, as I shoved them off, and down the hatch they flew, right and left, upright and horizontal, landing on the first floor, I in the meantime yelling like an Indian, "stand from under." Everybody did run, dodging the downpour, and fortunately, no one was injured, notwithstanding people were continually passing under this skylight hatchway. This accident was not so much the result of carelessness on my part as it was a desire to do my tasks quickly and without help. In this case it was certainly "the more haste the less speed," and I profited by the lesson.

Money was made in those days, and while I have been living in the past, let me say to my young Hardware friends who are now struggling for advancement and ultimate success, that the present offers as good, if not better, opportunities than ever before.

"To-day leads you up to the hill tops
That are kissed by the radiant sun,
To-day shows no tomb, life's hopes are in bloom,
And to-day holds a prize to be won."

JAMES E. HALSEY.

Southern Supply Dealers' Association.

The question of forming a Southern Supply and Machinery Dealers' Association has been given very careful and serious consideration for some little time by a number of the supply and machinery dealers in the South, and we are pleased to state that from the encouragement which has been received, it has been decided to take steps to perfect the organization.

The first and most important step in consummating the preliminary arrangements was to secure the services of some one to act as promotor or organizer. Those interested in the movement were fortunate enough to secure the services of Mr. C. B. Carter, now Secretary-Treasurer of the Southern Hardware Jobbers' Association. Mr. Carter having served the Southern Hardware Jobbers' Association for about six years, was deemed eminently qualified to organize and take charge of the proposed association, it being desirable that the two associations—which are so closely allied—should be handled by one and the same officer.

It has been deemed advisable to call a meeting of the supply and machinery dealers of the South during March or

April, to meet in Charleston, the exact date to be decided upon a little later, and to this end Mr. Carter will open up correspondence with these dealers regarding the details, etc. Those addressed, it is hoped, will promptly and cheerfully answer any inquiries which may be addressed them, and it is also anticipated that they can see their way clear to attend the Charleston meeting at the time fixed, and that each dealer addressed will become a charter member of the association. Those already interested are fully satisfied that an organization among the machinery and supply dealers will result greatly to the advancement of this representative line of business and prove highly remunerative to the individual members.

Those already interested, and who sign the call, are the following: Smith, Courtney & Co., Richmond, Va., by Geo. A. Smith, president; the Henry Walke Co., Norfolk, Va., by S. M. Price, president; Jno. G. Christopher, Jacksonville, Fla.; Georgia Supply Co., Savannah, Ga., by E. N. Hartfelder, president; the Cameron & Barkley Co., Charleston, by C. B. Jenkins, president.

HARDWARE PATENTS.

The following list of Patents, Trade Marks and Designs of interests to the Hardware trade are furnished by Davis & Davis, Solicitors of American and Foreign Patents, Washington, D. C., and St. Paul Building, New York City.

PATENTS EXPIRED MARCH 17, 1902.

313,921. Weather Strip, J. Cotrell, Schell City, Mo.

313,935. LIFTING JACK, A. H. Handlan, Jr., St. Louis, Mo.

313,943. Bench Dog, M. J. Kugler, Barnesville, Ohio.

313,950. Bit Brace, J. T. Pederson, Brooklyn, N. Y.

313,990. PAIL, T. A. Coke, Brooklyn, N. Y.

314,011. LOCK MORTISING CHISEL, P. L. Fox, Bridgeport, Conn.

314,005. HANGING DOOR, C. W. Emerson, Charlestown, Mass.

314,058. BENCH HOOK, J. B. Sargent, New Haven, Conn. PATENTS ISSUED MARCH 18, 1902.

695,461. Ax HANDLE CLAMP, L. Johnsen, Seattle, Wash.

695,598. Gas Heated Sad Iron, D. R. Blair, Birmingham, England.

695,660. Tool Box, J. Swan, Seymour, Conn.

695,666. Spring Hinge, E. Bommer, Brooklyn, N. Y.

695,669. Ax Head and Handle Therefor, R. H. Carter, Kimbolton, New Zealand.

695,736. SASH LOCK, H. H. Kendrick, Fulton, N. Y.

Big Industry for Ilion, N. Y.—The Remington Cartridge Co.

Papers were filed March 8 with the county clerk of Essex County, New Jersey, incorporating the Remington Metallic Cartridge Co., with a capital stock of \$250,000.

The incorporators are Eliphalet Remington of Ilion, Stuart Lindsley of Orange, N. J., and Joseph M. Merrill of East Orange, N. J. The officers of the company will be: President, Eliphalet Remington; vice-president, Joseph M. Merrill; secretary and treasurer, Stuart Lindsley.

The object of the formation of this company is the manufacture of metallic cartridges and ammunition of every form and description. The company already has the backing of several capitalists of influence in New York and New Jersey, and as soon as practicable the manufacture of Remington cartridges will be commenced on a large scale, and in all probability the plant will be located at Ilion.

Mr. Remington, the president of the company, is the only surviving member of the original firm of E. Remington & Sons, manufacturers of Remington firearms, of Ilion.

The first complete printing machine was patented by Koenig in 1814.

OUR BRITISH LETTER.

(By Our Special Correspondent.)

London, March 15, 1902.

There was a time when British ironmongers worked under different conditions from those of their Hardware cousins in America. The differences have been gradually lessened until the general conduct of a modern, up-to-date English Hardware store is very similar to that of those in the principal cities and towns of the United States. Reform and reorganization are the order of the day throughout the whole commercial world. Not least has the upheaval touched British Hardwaremen, who have awaked from their long sleep, and by their present day activity closely follow in the wake of their American brothers in trade.

The association movement, so long an established power in the States, has taken a firm hold in England. Many strong associations now exist in different parts of the country, and under the guiding hand of R. H. Smith, the energetic secretary of the Central Board of the Ironmongers' Federated Association, have already done yeoman service in redressing many of the local, as well as the more generally felt grievances of the trade. The London Branch, but recently formed, is growing, and although the metropolis of Great Britain is so large and its suburbs so scattered, it is hoped it will be the means of bringing together in a bond of friendship the Hardwaremen of the locality. The latest development of the movement in this country is the effort now being made to form county associations. Lancashire and Yorkshire are first in the field to inaugurate this scheme of progress. When these are in full working order they will be more on the pattern of the American associations, which are more comprehensive and cover a much wider field of enterprise than anything yet attempted here.

Another step in the advancement of the British Hardware association movement has been made by the proposal of Councillor Wilson, a member of the Manchester Association, for the adoption of a badge such as can be accepted by every iron-monger's association in this country. This is following in the steps of American associations, many of which, like the Ohio Hardware Association, whose ensign is a padlock, adopt a distinctive badge. It is thought such an emblem would enable buyers to obtain the full benefit of association membership.

We hear a great deal about "American invasion," and undoubtedly there is a friendly commercial invasion going on at the present time. Not only are manufacturers from the United States, but from Canada, finding this little islandthe home of John Bull—a fair market in which to push their export trade. There are two reasons why these makers are more successful than formerly. They now realize that implements and machinery of American design will not do for this country, and have learned that by studying the conditions under which these machines are operated they can adapt their patterns to the requirements of English farmers, engineers and mechanics. This being done, the users readily appreciate the value of any superior implement, and quickly grasp where its advantages lie. The other reason why American goods are becoming popular is that owing to the scarcity of farm labor, the higher rates of mechanics' wages and the difficulties of obtaining good domestic help, labor-saving contrivances of every type find a ready sale. It is needless to add that the products of American factories and the goods placed upon the market by representatives of such firms on this side. are essentially of that character.

Catch phrases and little stories, although perhaps containing nothing but well known historical facts, often make the most effective advertising. An English firm appear to have found this out. They have hit on a "good thing" in calling attention to the mistake of the old Romans in believing, when they reached the Pillars of Hercules, there was "nothing beyond." It was a blunder rectified many centuries later, when Columbus discovered America. "Ne Plus Ultra" is a bad motto for a commercial nation or an individual trader to adopt. It is not possible to reach the end of cemmercial development, and there is always a "beyond" for every nation. The success of traders will, to a large extent, be in proportion to the largeness of their understanding this rule of progress. The possibilities of the "beyond" are wide and far-reaching, and many American manufacturers are in the van. Not satisfied with the breadth and length of their own country, they realize the "beyond" in Great Britain and its teeming colonies, and their friendly invasion is indicative of their real national life.

The visit of the Prince of Wales to Avonmouth to cut the first sod of the new docks for the port of Bristol is an event interesting to Americans. The ancient city of Bristol has long been content to rest in the memories of the past glories of its merchants of Elizabethan days. The steps now being taken should give new life to the city, and it is hoped that its new dock will enable its manufacturers to be brought into quick communication with America, Australia and other of the great markets of the world.

Some efforts are now being made in Trinidad to establish an oil industry. The existence of the great Pitch Lake is sufficient indication that mineral oil must exist, if it can be properly located and worked. There is, therefore, a possibility of the West Indies becoming a competitor in the supply of petroleum oil, now so largely drawn from the United States. A discovery of petroleum gas at Heathfield, Sussex, was reported a short time since. Some further investigations point to the probability of a lake of oil lying beneath this picturesque English county. It is stated that an American company, with which the name of Pierpont Morgan is associated, is about to promote the industry. Rumors come from Hamburg that Dr. Karl Tietz has invented a new fluid which, when mixed with water, resembles petroleum, and can be used for burning purposes as such.

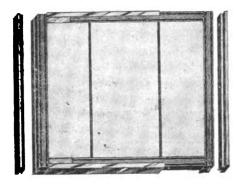
A record output of iron was recently made from the new American furnace put up at Askam-in-Furness by the Millom & Askam Hematite Iron Co. It is stated that no less than $305\frac{1}{2}$ tons of high class Bessemer iron was made from low grade ores.

A movement is on foot for organizing a British and Colonial Exhibition at Cape Town. This is likely to be strongly supported in this country, and will form an exceptionally good opportunity for British makers to introduce their goods into the South African colonies. The promoters intend contining the exhibits to the products of British and Colonial manufacturers. There is abundant evidence that the establishment of peace in South Africa will be the signal for German and American merchants flooding the country with their wares; naturally British traders will want to secure the lion's share of the plunder.

The proposed American Exhibition at the Crystal Palace (London) will give an impetus to the sale of American goods and machinery. The exhibition will be opened in May, and will remain open until September. I hope to have something more to tell your readers about this interesting commercial enterprise in a future letter. Suffice it to say that the grand old palace of glass will be filled with the choicest productions of the nation which is strong and vigorous and possesses an unrivalled wealth of commercial energy and inventive genius.

"Twentieth Century" Adjustable Sliding Window Screen.

We illustrate herewith the Twentieth Century Adjustable Sliding Window Screen manufactured by the A. J. Phillips Co., Fenton, Mich., and for whom F. P. Wilkinson, 90 West Broadway, New York, is the sales agent. It will be noticed the general construction is similar to the company's adjustable window screen known as the "Flyer," in which two frames slide upon each other, and thus secure an adjustment fitting the window in width. The frames are made of beech wood, oiled, and the steel bindings on the edges of the wire cloth and the metal cap on the top and bottom of the screen are painted the same color, usually green. In the "Flyer" Window Screen and in all the other adjustable screens, the only attempt is to produce a screen which can be spread under



SOTH CENTURY WINDOW SCREEN

the lower sash of the window. The "Twentieth Century" Screen, while adjustable in width, is arranged to slide up and down on dove-tailed slide-sticks, which the customer nails to the casings. The screen may be used either inside the window or outside, preferably inside. The sash is thus permitted to slide past the screen and to be raised to any desirable height. It will be noted that the construction of the screen is such that either side of it presents a straight line entirely across the screen so that it is entirely fly tight. When the screen is used outside the sash, the slide-sticks are nailed to the outside stops. It will be seen that the screen may be raised and lowered whenever desired and that, whether left inside or outside, it is always in place.

Recent Publications of the Trade.

GOSHEN MFG. Co., Goshen, Ind., are distributing an eightpage leaflet which illustrates and describes the Hercules Hay Slings and Hay Carriers manufactured by them, showing the various operations by which their utility has been firmly established, and the numerous parts in connection therewith specially numbered and described, by which they may be ordered if wanted. A very interesting leaflet that cannot be otherwise than acceptable to the Hardware dealer. This company also manufactures a number of styles of Lawn Swings which are illustrated in an attractive catalogue published by them, showing them in actual use by the aid of half-tone cuts that are very well engraved. The illustrations show the Goshen Four-Passenger Lawn Swing, and also the same style calculated for two passengers. They also show the Jumbo Lawn Swing used as a hammock, and also with awning; also the Daisy Two-Passenger Lawn Swing and the same arranged for four passengers. A number of other illustrations are given showing the various uses to which these Swings may be applied, from usefulness on the porch to the advantages of having them part and parcel of a picnic party. It is a very cleverly constructed catalogue, that should be apt to make sales. The principle is also applied for home use to Baby Swings. They are also manufacturers of Folding Lawn Seats, Camp Chairs and Camp Stools. The Hardware dealer will find the catalogue one that will interest him.

SARGENT & Co., New Haven, Conn., and New York, are distributing their handsome catalogue of Wire Screen Hardware and other Spring and Summer goods for 1902, dated March 1, 1902. This is one of the most attractive catalogues of the kind that has come to our notice, containing in one pamphlet of the same size as their regular catalogue and consisting of 80 pages, all the various articles that are enumerated in the large catalogue applying to Spring sales for Wire Screens and goods of this seasonable character. Included in the contents will be found about everything that the dealer could possibly need for the purpose; in addition thereto, a number of other salable lines of Hardware adapted for the season-too large a number of titles to successfully enumerate, and dealers having not already received this compendium of salable goods should write for the same at once. Nothing more worthy of their acceptance could be obtained. Included in the contents will be found such goods as Screen Hardware of every description, Coil Door Springs, Spring Hinges, Square and Neck Bolts, Chain Bolts, Door Pulls in large variety, Shutter Knobs, Surface and Flush Sash Lifts, Door Holders, Door Stops, Hammock Hooks, etc.

SYRACUSE CHILLED PLOW Co., Syracuse, N. Y. Catalogue No. 10 of Wood and Steel Wheelbarrows, Contractors' Plows, Steel Sewer Buckets, Drag, Road and Wheel Scrapers, Charging Barrows, Steel Skips, Push Carts and Store and Warehouse. Railroad and Wharf, Grocery and Baggage Trucks. The principal new tool that is illustrated in this catalogue is their Wheel Scraper, as shown on pages 32 to 35. This Scraper embodies several new and very important features that appeal to every contractor. It is simple in construction, and having been thoroughly tested, is found to be sufficiently strong and durable for the work for which it is intended. This is a pamphlet catalogue of 54 pages, printed in colors on fine coated paper, handsomely engraved throughout, with a full description of the various articles referred to, with list prices, etc., etc. The company manufactures a large line of the goods referred to above, and the various illustrations throughout the catalogue indicate the mode of construction. the style of goods and the general utility of the entire line. It is as complete a catalogue of the goods referred to as has come to our notice. Included in its contents are the wellknown Syracuse Hand Carts, which are made in a number of varieties. The company also manufacture Baggage and Express Wagons. Dimensions are given in every instance on Wheelbarrows, the capacity of each barrow, size of tray, size of wheels, the weight and the list price, and this method is carried out throughout the catalogue, giving evidence of great care in compiling, and a natural desire to have all the information that the dealer would be apt to seek. It is certainly a useful and desirable catalogue of the goods exploited.



RECENT TRADE PUBLICATIONS.

BISSELL CARPET SWEEPER Co., Grand Rapids, Mich., and New York. Oblong pamphlet catalogue printed on coated paper, finely illustrated throughout with their entire product, with elegant half-tone cuts in color showing their line of "Cyco" Bearing Carpet Sweepers, together with the other various styles with which the name of this concern has long been identified. It includes in its entirety the "American Queen," "Boudoir," "Ideal," "Premier," "Gold Medal," "Prize," "Welcome," "Superior," "Grand Rapids," etc. It also includes in its assortment the larger size Sweepers manufactured by this company, such as the "Grand," the "Club," and the "Hall," designed for sweeping large residences, halls. churches, lodge rooms, etc. One of the latest in the Carpet Sweeper line is Bissell's "Improved Misses'" Sweeper, which is also represented; Bissell's Toy Carpet Sweepers, including the "Little Daisy," "Baby," "Child's," "Little Beauty," "Little Queen" and "Little Jewel." They also show the "Three Sweeper Easel," which is made of oak and finished in antique, displaying three Sweepers and requiring a floor space of only 20 inches square. This is furnished gratis with an order of one-half dozen or more high-grade Bissell Sweepers. Other methods of displaying Sweepers are shown, suitable for show windows or counters, among which may be mentioned Bissell's Display Shield, Bissell's "Six Sweeper Easel" and Bissell's "Ten Sweeper Easel." Another very handsome appliance for the same purpose is Bissell's "Grille Easel." These various appliances, now so fully adopted by the trade generally, have resulted in quadrupling the sales made under other auspices by the Hardware stores handling these goods, and they are well worthy of consideration, and the catalogue should be sent for by dealers making a specialty of this attractive line.

CHARLES MORRILL, 277 Broadway, New York, has issued a catalogue booklet having reference to the Pearson "Cyclone" Spike Puller, which is the invention of a practical railroad man, and is the outcome of a universal demand for a tool of this character, it being intended for general railroad work. but is the most suitable tool imaginable for drawing railroad spikes, that may be placed between guard rails, switches or on bridges, trestles, embankments or any other place where the operator has but a limited space in which to do work with a very insecure footing. The use of this tool makes all these objectionable features present less importance. Only one operator being required, his strength alone can be used to a large extent to do the work. The puller, which weighs about 30 pounds, consists of a cast steel frame 23 inches in height, into the top of which is screwed a 11/8-inch tube 28 inches long, making the total height of the tool 51 inches. On the lower end of the rod is attached the spike gripping apparatus. which consists of a pair of Swedish steel jaws made to work on the toggle-joint principle. The leverage is so adjusted that for every 100 pounds pressure exerted on the handle a lifting force of over 372 tons is obtained. The booklet under review is handsomely illustrated, with large size half-tones, full page illustrations, showing the various uses to which this important tool may be applied, and showing the same in a manner exceedingly graphic that may be readily understood and followed implicitly in the use of the machine. There has been a decided want for a tool of this character. Included in the contents of this booklet will be found also an illustration of the Car Sealer Manufactured by Chas. Morrill, sometimes known as a lead seal press. These presses are used by express companies as shippers of sealed merchandise, and are made of semi-steel and provided with an adjustable die.

R. R. Montgomery & Co., Decatur, Ill. Envelope booklet of the "King" Fly Killer, a patented article that kills flies without crushing, an illustration of which may be found in their advertisement on another page in this issue of *Hardware*. The booklet is devoted to the description and enumeration of the various kinds of flies that infest certain localities, and the advantages of being in possession of one of the "King" Fly Killers when any of these annoyances are within reach. A number of testimonials from different parts of the country, showing the selling merits of the Fly Killer, are also included, which would indicate that they were trade winners wherever introduced.

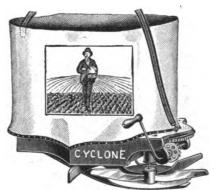
VANDERGRIFT Mfg. Co., Jamestown, N. Y. 24-page catalogue of the Hand Washing Machines which form the principal product of this company, which includes in its contents full descriptions and illustrations of the new Vandergrift Rotary Washer, both round and square, the improved Pan-American and Vandergrift Washers, the Western, the Defender, American, Union and Challenge, all of which are made by this company. They embody in their construction about all the possible improvements a machine of this character needs to make a complete equipment. A number of the Washers are equipped with Blackstone's improved bottom, which insures against warping, and thereby prevents leaking, a cross-piece being embodied in the construction of them that is one inch in thickness, dovetailed into the bottom, and holds the same perfectly rigid. The manufacturers state that in shipping for export, their machines, both round and square, are boxed two machines in a case, each case measuring about 13 cubic feet. They are enabled by this method of packing to place all the gearing on the inside. Illustrations are given of all the various parts that form the complete whole, each of them properly numbered so that repairs may be ordered without difficulty. The catalogue has an attractive cover that will assist materially in its local distribution.

SUPPLEE HARDWARE Co., Philadelphia, Pa. 1902 Spring catalogue of Sporting Goods. which includes in its contents a full description and illustration, with prices, etc., of Guns, Rifles, Revolvers, Ammunition, Hunters' Clothing, Tennis, Gymnasium and Base Ball Goods, Croquet, Bicycles and Sundries of every description. This catalogue is of large catalogue size, of 114 pages in volume, and designed more especially for the stimulation of mail orders. From the contents of the catalogue such orders may be readily prepared. The articles referred to in the enumeration above are handsomely illustrated throughout with wood cuts, very few, if any, halftones being employed, and just enough descriptive matter to make a prompt selection of the goods required. A large variety of Dog Collars is shown in connection with the other goods enumerated; also Fishing Tackle and Anglers' material, which covers quite a number of pages. the most complete catalogues of the goods embraced in its contents that one would expect to receive from a jobbing house making a specialty of responding to mail orders. The company state in connection therewith that, handling as they do the most salable articles in their particular line, they wish to impress upon their customers, present and prospective, that all correspondence referring to the same will be promptly answered, and to that end correspondence is invited. are sole agents for the U.S. Arms Co.'s Double-Barrel Breech-Loading Shotguns. These guns are recommended to both merchant and user in every respect, and as they are placed on the market at a low price in comparison to other American guns, or the best imported Belgian guns, they ask the trade for some attention to be paid to this particular line, which is worthy of the attention of every Hardware dealer handling sporting goods of this character.

NEW GOODS AND SPECIALTIES.

"Cyclone" Seed Sower.

Champion Seeder Co., Urbana, Ind., are the manufacturers of the Cyclone Seed Sower, an illustration of which we give herewith, which is a hand broadcast seed sower that has already become exceedingly popular in nearly every State and Territory in the Union. The machine weighs less than four pounds, and yet is exceedingly strong and durable. It is very simple in construction, yet in distribution of seed it is claimed that one man with this machine can do more and better work than four men by any other method. The castings used in its construction are of the best quality of grey iron, the wood principally of seasoned poplar, and the sack, of heavy, ten-ounce duck. The machine is made attractive for marketing purposes by being painted two coats of bright vermillion. It is provided with a number of mechanical devices that are claimed by the manufacturers to give evidence of its superiority. The machine is framed together in a manner that gives it strength, with no chance of warping, as is the case with a single board. It has a slope feed board which keeps the seed run together in a small hopper on the feed where it belongs. It has an arch cut out of the side so



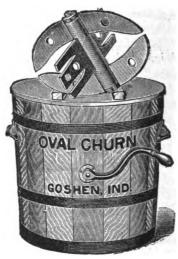
"CYCLONE" SEED SOWER.

that the machine fits easily and closely to the body, and hangs evenly. It has a crank shaft above the distributing wheel, which is a point of convenience to the operator, avoiding seed being continuously thrown against the hand. It has a vibrate feed agitating seed from the bottom. It has a distributing wheel eleven inches in diameter, with an eightinch disk, cut and pressed out of a single piece of tin. It has a spring set catch which comes naturally where the left hand rests. By this device, the seed can be let on or shut off in an instant, avoiding loss. The hopper or sack is large enough to hold about three pecks, and the duck used is heavier than is often used for tents. All these points are worth studying, and the knowledge of them assist in its popular sale.

Improved Oval Churn.

The Goshen Churn and Ladder Co., Goshen, Ind., are the manufacturers of the Improved Oval Churn which we illustrate in this article. The Churn is already popular in the trade wherever it has been introduced, but this season several improvements of importance have been made, making it desirable to call attention to the fact. The staves are made of the very best white ash lumber, thoroughly kilndried, and the churn is very substantial, well finished and made for service, every care being taken to use the best materials with a certainty of lasting qualities under the circumstances. The castings are so constructed as to have scarcely any friction, and to avoid rust are well galvanized. It is so arranged that the dasher can be taken out without

the necessity of removing any of the castings. It is practically noiseless as it has no gearing, and this facilitates the running qualities, making it require but little labor. The manufacturers call attention to the fact that different from

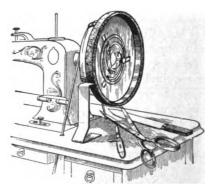


IMPROVED OVAL CHURN.

similar articles now on the market, it is not encumbered with legs, and if deemed desirable it can be placed on a chair, table, bench, etc., when churning. It is manufactured in five sizes: 4, 6, 8, 10 and 12 gallons, the list prices of which are respectively \$3.75, \$4, \$4.25, \$4.50, and \$5. This company also make a large line of Step Ladders and Single Ladders. Included in the assortment are also Windlass Extension Ladders, 20 to 48 feet long, information regarding which will be promptly furnished upon request.

The Home Sharpener.

Bullock Mfg. Co., 56 Fifth Avenue, Chicago, Ill., among the numerous specialties controlled by them which they are placing on the market, are distributing through the Hardware and Housefurnishing Goods Trade the Home Sharpener, an illustration of which we present herewith. The Home Sharpener is a corundum wheel for attaching to



THE HOME SHARPENER.

the fly wheel of sewing machines by the aid of which knives and scissors and other similar tools for household use may be sharpened. As may be readily seen in the illustration, it may be attached in a moment or so, and the articles referred to sharpened in an extremely quick and easy manner. The body of the wheel is made from cold-rolled steel and heavily nickel-plated. The grinding band is made of the finest corundum, molded and baked, each band being \(\frac{5}{8} \) of an inch wide. They are distributed to the trade, each wheel packed in a strong, neat box, with illustrations and instructions for

using. Sample wheel will be sent to any dealer by express, prepaid, on receipt of 75 cents. In lots of one dozen or over, they are sold to the trade at \$6 per dozen, f. o. b. Chicago. In order to assist in the introduction of this novelty, one wheel is given free with every order of three dozen when cash accompanies the order.

The Dime Screen Door Check.

The Caldwell Mfg. Co., Rochester, N. Y., are placing before the Hardware trade a Screen Door Check destined to

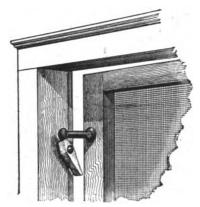


FIG. NO. 1.

become popular. Fig. 1 illustrates the closing door bringing the plunger on the door in contact with the top of the rubber bumper, throwing it up to position as in Fig. 2. The door

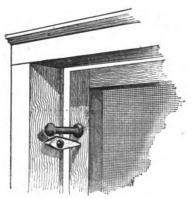


FIG. NO. 2.

rebounds from the concussion and the bumper drops by gravity to the position shown in Fig. 3, allowing the door to close. The bumper is of molded rubber, tapered to give the greatest amount of spring. It checks the door 3 inches

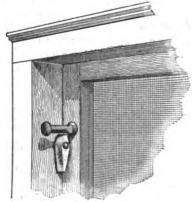


FIG. NO. 3.

from the closing point. The plunger is of japanned iron, and a round head blued screw for the bumper is supplied. The outfit is put up with a card of directions exactly locating screw holes for both right and left hand doors. It is explained that the operation does not depend upon the momentum of the door, and that the device will always prevent the slamming of a screen door, whether the door is opened wide or partially. The checks are packed in attractive display boxes.

Volcano Chimney Top.

Iwan Bros., Streator, Ill., are placing upon the market through the Hardware and Stove trade the Volcano Revolving and Ventilating Chimney Top, of which we give an illustration. The improvements in this chimney cowl consist

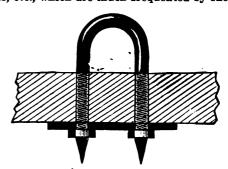


VOLCANO CHIMNEY TOP.

in the iron mountings being composed of two pieces only, requiring no pins or wire to hold the cap down. The hood, as will be noticed by the illustration, is made on mechanical principles, having a deflector corresponding with the hood, by which is formed the sloped opening in the back, as shown in the cut. The hood thus made in connection with the deflector, fully protects the chimney from rain, sleet and snow, and currents of wind cannot be drawn into it by the usual suction. On the contrary, when the wind passes through the sloped passage of the hood, it is calculated to create a strong upward draft, thus allowing full passage of all smoke. This feature is claimed to be unique with this chimney top.

Schall's Safety Screw Staple.

Frederick Pfeisfer, 88 Chambers Street, New York, is the sole selling agent for Schall's Safety Screw Staple, of which we give an illustration. The feature of this staple is that it can be driven into or through a board, and quickly secured on the inner side by means of a rectangular slotted counter plate and two threaded nuts. It is especially recommended for store rooms, coal bins and similar places in apartments, slat houses, etc., which are much frequented by sneak thieves,



SCHALL'S SAFETY SCREW STAPLE.

who with a jimmy quickly and noiselessly withdraw the usual staple even when clinched. The sharpened points, if so desired, can be as quickly protected by forcing a piece of soft wood over them, holding it in position by driving a nail in the centre of the piece through the slotted counter plate. The exact outer dimensions of the staple are $2\frac{1}{2} \times 1\frac{1}{8} \times 3$ -16 inches. The wrought iron counter plate is $2\frac{1}{2} \times 5\frac{1}{8}$ inches outside, with a rectangular slot or opening $1\frac{3}{8} \times \frac{1}{4}$ inch, through which the sharpened legs of the staple pass.

REVIEW OF THE MARKETS.

Wr Regular shipments are again possible at the mills, the embarrassment caused by transportation difficulties having been lessened materially, and the manufacturing facilities are now in a much more normal condition, to catch up if possible on the back orders that have accumulated. The demand continues excellent. Quotations are as follows, f.o.b. Pittsburgh, 60 days, or 2 per cent. discount for cash in 10 days:

To jobbers in carload lots.	\$2 05
To jobbers in carload lots. To jobbers in less than carload lots	2.10
To retailers in carload lots	2.10
To retailers in less than carload lots	2.20

New York. The assortment to draw from has not been as complete as usual, owing to insufficient supplies from the mills. The market is firm, however, and the following are the present quotations: Small lots from store, \$2.25 to \$2.30; carloads on dock, \$2.20.

Cut Nails: The Cut Nail market has been handicapped by insufficient supplies of raw material in the shape of steel plates. The demand, however, is a fairly good one in about the usual proportion as its principal competitor. Quotations are as follows, f.o.b. Pittsburgh, plus the actual freight to point of destination, terms 60 days, or 2 per cent. off in 10 days:

Carload l	ots		 	 	 .\$2.00
Less than	carload	lots.	 	 	 . 2.05

New York. The following quotations are the prevailing ones in the local market:

Carload lots on dock\$2	.13
Less than carload lots on dock	
Small lots from store	.30

Barb Wire: A very heavy demand continues to be the feature in the market on this important staple, the supply of which will, it is indicated, prove more or less of a shortage if demand continues as at present. Quotations are as follows:

To jobbers in	n carload lots, Painted	.\$2.60
44	" Galvanized	
44	less than carload lots, Painted	2.65
"	" Galvanized .	2.95
To retailers	in carload lots, Painted	2.70
**	" Galvanized	. 8.00
**	less than carload lots, Painted	. 2.80
44	ti Colmonicad	

Ellwood & Baker Wise is 5 cents, and Washburn & Moen Glidden is 10 cents per 100 pounds higher than the prices above named.

Plais Wire: Promptness in delivery of Plain Wire is hardly expected under the present demand, although the mills are running to their utmost capacity. Transportation facilities impede deliveries considerably. Quotations are as follows, f.o.b. Pittsburgh, terms 60 days, or 2 per cent. off for cash in 10 days:

Pian.	Gaiv.
To jobbers in carload lots\$2.00	\$2.85
To jobbers in less than carload lots 2.05	2.40
To retailers in carload lots 2.10	2.45
To retailers in less than carload lots 2.20	2.55

The above prices are for the base numbers, 6 to 9. The other numbers of Plain and Galvanized Wire take the usual advances, as follows:

6	to 9	Base				 			. \$0.40	extra.
10		\$0.05	advance	over	base	 			40	**
11		10	**	44	**	 			40	**
12	and 121/4	15	**	**	44	 			40	••
13			44	**	44				40	**
14		35	46	**	44			Ĺ	40	44
15			44	44	**				75	**
16		55	**	44						**
17			66	44	44			_	. 1.00	44
ĪŘ			66	**					. 100	44

For even weight bundles, 50 pounds and over, 5 cents per bundle advance on above.

Shovels and Spades: An advance on the list prices of \$1.50 per dozen was a matter of considerable comment by the

trade generally, for even at the 40 per cent. discount at which this line is sold to the retail trade, the net advance is a marked one. The list of the Maynard pattern and Bear goods has been advanced 50 cents per dozen. Orders at the factories have been unusually good, and as the advance doesn't go into effect until April 1, orders have been stimulated, and many are being rushed forward to save the difference in cost. The terms and discounts to the various classes of trade and rebates allowed have not been changed, and remain as heretofore.

Nats: On the 18th inst. an advance was made by the manufacturers in the prices of Cold Punched and Hot Pressed Nuts. Present printed prices are as follows:

		Het.
Cold Punched Plain Blank Square Nuts	1	\$4.70
Cold Punched Plain Blank Hexagon Nuts		
C. T. & R. Blank Square Nuts		4 90
C. T. & R. Blank Hexagon Nuts		5 30
Cold Punched Plain Tapped Square Nuts		4.50
Cold Punched Plain Tapped Hexagon Nuts		4.70
C. T. & R. Tapped Square Nuts		4.70
C. T. & R. Tapped Hexagon Nuts		5.10
Hot Pressed Nuts, Square Blank		5.00
Hot Pressed Nuts, Hexagon Blank		5.80
Hot Pressed Nuts, Square Tapped		4.80
Hot Pressed Nuts, Hexagon Tapped		5.10
The Tieberr times Transfer Tabler		

This advance, it is stated, has been made on account of the advance in the price of iron.

Biader Twine: As the Hemp market continues its high quotations, no change is noted in those for Binder Twine, which remain as follows, subject to ¼ cent per pound rebate when purchased in carload lots:

	T CT	pound.
Sisal	11	cents.
Standard	11	cents.
Diametric	101/	conte
Manila	10.7	, cente.
Pure Manila	14%	, cents.

Cordage: The market for Sisal and Manila Hemp continues firm, with no indication of immediate weakness. The quotations which we give below still represent the market:

	Cents.
Manila, 7-16 inch and larger	181
% inch	14
1/4 inch and 5-16	14 1/2
Sisal, 7-16 inch and larger	
% inch	10%
inch and 5-16 inch	11
Lath Yarn, medium and coarse	814
Jute Rope, No. 1	61/2
No. 2	

Linsced Oil: The following quotations are the latest announced by the Dean Linseed Oil Co.:

In lots of less than 5 barrels......64 cents per gallon. In lots of 5 barrels or more......68 cents per gallon.

The five-barrel price applies only to deliveries of that quantity at one time.

Boiled Linseed Oil, 2 cents per gallon higher than Raw. Calcutta Oil, 85 cents per gallon.

THE ALBANY TRADE.

Both Winter and Spring have of late been contending for supremacy. The result—the breaking up of the ice-bound streams by the rain and the melting snow, the freshets and inundations causing untold misery and damage; following all this, a cold spell checking the floods, alternating a renewal of mildness and more boating in the public streets. When this ends and conditions become normal, Spring trade will continue with a rush. Everything points to an excellent demand for goods. The trouble will be to supply the wants of customers. The warnings being sent out by some leading manufacturers of the scarcity of stocks and consequent delays in filling orders, suggest the belief that full market rates will be obtained for goods. Margin of profit, however, still remains small, so many being open for business on the basis of Jakey Einstein's employers, who wrote him daily, "What we want is orders." "Cash in hand" always commands low

prices to the buyer, and goods in hand ready to ship ought also to favor the seller. Not only how low you sell, but how soon can you ship, customers are asking thus early in the season, and indications are that this will certainly be the theme for quite a period. The consolidation of manufacturers is being better understood by practical experience. The filling of small orders direct from the large mills is slow work and is not practicable, and the tendency to draw business of this kind to the stock-carrying jobbers is very noticeable. A very few leading articles are still selling at low prices, and the sagging continues, notwithstanding the higher cost of raw material entering into their manufacture. Will the fight continue, or will this competition eventually be remedied by further consolidations? Collections, usually slow at this period of the year, are keeping up the record, but after "Tax Day" (April 1st) in the country, an improvement will doubtless commence.

ALBANY HARDWARE AND IRON Co.

THE CHICAGO TRADE.

It affords us pleasure to state that we are busier than ever; in fact, since our last writing, have been so pushed with orders that it is hard work for us to keep up and make our usual prompt shipments. The Spring trade is certainly starting in good and early, and we see no reason why we should not expect it to continue. The markets in general are very firm, and while there have been but a few advances, and those very slight, yet we learn that we may look for some in the near future, particularly on one very staple line, on which the advance will also be quite a large one.

Wells & Nellegar Co.

THE CLEVELAND TRADE.

Prince Henry's visit to this country awakens reflection upon the benefits we have received from the people he represents. The real worth of the German emigration to our population and the uplift of German scholarship. The fear that once prevailed of German rationalism has terminated in admiration for their courageous recognition of the rights of the human mind. They made a declaration of mental independence that did much to enfranchise and free us from superstition, when confidence in the intellect was greatly needed to save us from loss of intellectual integrity. This influence upon the founders of our Government advanced human progress a thousand years. Every avenue of life, not excepting theology (which is last to be influenced), has felt the benefit of its uplift. "New theology" and "higher criticism" are among its results. German thinkers like Lessing made a pathway through the wilderness of superstition, and made life broader, freer, sweeter and lighter. We honor ourselves by honoring the representative of such a nation. Our commercial competition in the future is to be with Germany, but we are beginning to learn that competitors need not be enemies. We are learning this in our domestic trade through organization.

The National Hardware Association has done much to alleviate the evils of competition by insisting that the rights of manufacturers, jobbers and retailers be alike respected, believing that the consumer can be best served in this way. If the few jobbers who refuse to co-operate are actuated by what they conceive to be personal interest, they are mistaken, for injury to the retailer is injury to their customers, upon whom they depend for prosperity. February beats the high record of 1901, fulfilling all expectations for the beginning of another prosperous year. There is an entire absence of speculation in mercantile business. The tendency to the commercial spirit that is feared by the good people, seems to strengthen rather than to destroy the desire to be of service. The aid that brain has rendered muscle is the measure of human progress. It has released labor of drudgery by adopting new machinery and new methods. It is doing the world's



work and making life more worth living. The magnificent management of our business enterprises is the admiration of the world. We have learned that success depends upon the service rendered, so that the large brains are being utilizd for public benefit. The commercial spirit has made England, Germany and this country great, and is doing for Japan splendid service. It is the most potent instrument for promoting civilization, and need not be feared.

THE LOCKWOOD-TAYLOR HARDWARE Co.,

THE COLUMBUS TRADE.

We certainly thought the winter was over, but St. Patrick's Day, or some other force, brought us very near zero weather. There is nothing new to report on the business situation so far as trade is concerned. We can truthfully say that it is good, but we are already experiencing trouble in getting goods. It is surprising the reasons that are given for not filling orders. In most of the cases it is on account of some material that goes into the article to be made. From other sources, high water or labor trouble causes delay, and then when goods are ready for shipment they can't get cars. It does not look very much like an over-production in 1902. Labor troubles are beginning to cause uneasiness. When work is plenty and workmen are getting a top-notch price, they seem to think it a good time to hold up manufacturers. We believe in good wages, but we must say that in many instances their demands seem unjust and unreasonable. Labor organizations are opposed to combinations, but theirs was about the first; and no one can deny that it is the most arbitrary in existence. But time rights all things, and we will hope that it will right the strife between capital and labor. They should be close friends, as neither can get along with-THE SMITH BROS. HARDWARE CO. out the other.

THE PITTSBURGH TRADE.

Retail State Associations have been much in evidence lately, and Pennsylvania is to have her turn in a convention to be held in Pittsburgh, March 26. These associations emphasize very strongly their belief that goods should be distributed from maker to consumer through the hands of the merchant who carries a stock in the place of distribution as against the idea of the maker going directly to the consumer, or distributing from catalogue houses. We believe this is the correct, and all things considered, the most economical method of distribution.

We go further and believe the jobber is necessary to gather the great variety of goods needed, to carry them in his warehouse, and distribute to the retailer in quantities required.

If both retailer and jobber can be fully waked up to the fact that it is absolutely necessary for them to stand shoulder to shoulder in defense of this method of distribution of goods through the regular channels, the work of the associations

STANLEY RULE & LEVEL CO.

NEW BRITAIN, CONN., U. S. A.

Improved Carpenters' Tools.

SOLD BY ALL HARDWARE DEALERS.

will be of great value. United action by so great a body as this will have a hearing from the manufacturers and greatly improve the Hardware business.

LOGAN-GREGG HARDWARE Co.

THE PHILADELPHIA TRADE.

At last, after a late Winter, Spring seems to be making his bow to the public, and orders for Spring goods are coming in so rapidly that stocks are already low, and on some styles of goods it is impossible to satisfy all demands, even although, anticipating the situation, jobbers have placed Spring orders considerably in excess of ordinary needs. There seems to be no prospect of improvement in this regard, and it is quite likely there will be considerable difficulty in filling orders as the season advances, and this is true not only of Spring goods, but of other leading lines, as the demand from all sides seems to continue unabated, and these seems to be entire confidence in the market, which certainly shows a growing sign of strength.

The present week has seen another advance in machine bolts, coach screws, common carriage bolts, and many lines appear to have stiffened considerably in price, while the consolidations in prospect, or already effected, are likely to cause still further advances in prices.

We are happy to say, however, that in the new consolidations the tendency does not seem to point towards a radical advance in prices; on the contrary, it is recognized that the interests of the trade and of the manufacturers at large are better served by a moderate advance and one which is justified by higher wages paid, and by the increase in costs and the scarcity of raw material.

There is considerable complaint among manufacturers that, even at the advanced prices charged by them last year, there was not sufficient profit in the year's work, owing to the fact that both labor and raw material had advanced so greatly, and if such are the facts, a moderate increase seems justifiable. At all events, the tendency seems to be undoubtedly in that direction.

BIDDLE HARDWARE Co.



TO SUPERSEDE EMERY

CRAIG MINE



CRYSTAL CORUNDUM

Why buy iron ore for abrasive purposes? Emery is 70 per cent. oxide of iron, combined alumina, etc., and only 30 per cent. corundum. Try it with a magnet and see for yourself. The 70 per cent. rubs and burns, only the 30 per cent. (the corundum) cuts and polishes. Craig Mine Crystal Corundum is 98 per cent. pure. The 98 per cent. cuts and polishes.

WHAT CONSUMERS SAY ABOUT IT.

THE PRESCOTT EMERY WHEEL CO., Prescott, Ontario.—"In reference to your Craig Mine Crystal Corundum, we take pleasure in saying we have used it extensively for the last year and exclusively for half this time. In our experience we consider it an abrasive that is unequalled. We believe that your article will rapidly take the place of emery."

THOMAS ARCHER, 314 East 22nd St., New York City.—"In reference to the Craig Mine Crystal Corundum, I do honestly pronounce it the best and most effective abrasive that I have ever used. My line of work consists of an endless amount of glass reaming, and I have been using almost every kind of abrasive,—sand, pure Turkish emery, carborundum, etc..—but have never been able to obtain as speedy or satisfactory results with either of the above, as with Craig Mine Crystal Corundum. I truthfully assert that in my line of work it gives fully five times quicker and better results than any abrasive I have ever used before, and I take pleasure in recommending it to the trade."

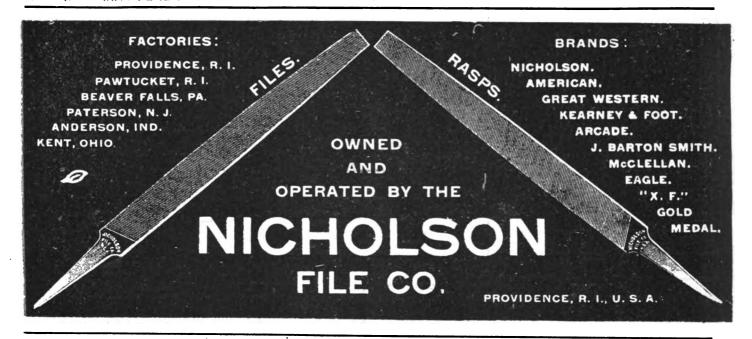
THE DETERMENT WHERE CO. Detects the content of the

THE DETROIT EMERY WHEEL CO., Detroit, Mich.—"We are in receipt of your recent favor asking how we like the car of Craig Mine Crystal Corundum bought of you. The enclosed order for two more car loads is probably the most satisfactory answer we can give you."

WRITE FOR FURTHER TESTIMONIALS.

THE CANADA CORUNDUM CO., LIMITED, SEND US TRIAL ORDER. TORONTO, CANADA.

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THE MINNEAPOLIS TRADE.

Business has opened up very nicely for this time of the year, with every indication of good volume of business through the season. We are already experiencing some difficulty in getting certain lines of goods and think it will be worse later on. There is a large influx of farmers coming in here constantly. Railroad officials say they never saw such a tide of immigration and it has been continuous all winter. This means lots of business later on. There are prospects of something of a shortage in lumber, in fact logging roads were broken up through a thaw much earlier than usual and a great many logs that would have got in the market were left in the woods and will have to remain there for another winter; therefore there is no prospect of a decline in price of lumber

W. K. Morison & Co.

THE ST. PAUL TRADE.

With an early Spring, business opens up in good shape, orders are getting more and more plentiful every day, and the quantities ordered are larger. We have every reason to expect a good business, and we are now getting it, as for this time of year our sales show a large increase over previous years. Prices are held firm and should be, because of the scarcity which now exists in some lines, and will get worse as the season advances. The man who keeps his stock full of staple goods is very wise. There is no prospect of declines; there is possibility of advances and a sure scarcity.

C. W. HACKETT HARDWARE CO.

THE SAGINAW TRADE.

Since the season of 1902 opened there has not been a dull day experienced in this section. The four weeks of Spring weather we have been enjoying have caused a great demand for Spring goods that are not generally called for until later in the season. This has caused the buyers of our several departments no end of trouble in keeping up stocks. Everything points to an increased business for 1902. The demand for carpenters' tools was never so great as at present. Builders' Hardware and all small miscellaneous Hardware that is classed "shelf goods" has been in great demand. The same trouble that was experienced among jobbers last season bids fair to arise this year, namely, scarcity of goods and slow shipments by manufacturers. Especially is this true on the heavier lines, as already indicated by advices received from the different manufacturers of wire, nails and iron, advising us that it is impossible to make prompt shipments. That this condition of affairs will continue throughout the year we think is inevitable, because, as the year advances the volume of business will increase. MORLEY BROTHERS.

Hardware and Sewing Machines.

The sewing machine has become a part of almost every household throughout the world, and the many Hardware dealers who are now selling them as a side line will, no doubt, be interested in a concern manufacturing needles.

The Shrimpton Mfg. Co., 273 Church Street, New York City, are an exclusive needle house. They import sewing machine needles for all the principal machines in use in the United States, and carry a stock of several millions of needles. Their goods are made in Europe, where the art of needle making has attained perfection through centuries of experience. They carry a line of all sorts of needles for all sorts of purposes, as well as machine needles.

World's Fair Classification Book Shows the Marvelous Activity of the Human Race.

An advance copy of the Classification Book for the Louisiana Purchase Exposition at St. Louis in 1903 has been received. Fifty-three pages are required for a mere enumeration of the groups and classes of exhibits. The exhibits of the entire exposition are divided into fifteen departments as follows: Education, eight groups; art, six groups; liberal arts, thirteen groups; manufactures, thirty-four groups; transportation, six groups; agriculture, twenty-seven groups; horticulture, seven groups; forestry, three groups; mining and metallurgy, five groups; fish and game, five groups; anthropology, four groups; social economy, thirteen groups; physical culture, three groups. The total shows 144 groups and 807 classes, and under each class is a possibility for a multitude of exhibits. Nothing reflects more clearly in so small a space the variety of human occupations or more comprehensively the broad scope of the great exposition which the people of St. Louis are preparing for next year. A place is provided for every conceivable product worthy of exhibition and all nations of the world have been invited to take part. Acceptances have been received from many. The work of construction is progressing earnestly. The buildings will have an aggregate floor space of 200 acres and the grounds a total area of 1,000 acres. The money now available aggregates \$15,000,000, besides \$1,000,000 appropriated by the State of Missouri and various liberal sums from other States. The Classification and the Rules and Regulations of the Exposition will be mailed free on application to the Director of Exhibits, World's Fair, St. Louis.

"Dunn is a good shot, isn't he?" "Very good. We were practicing with our guns at my country place the other day, and he hit the bull's eye the first time." "Very clever," "Yes; but he had to pay for the bull."—Em.

Fly Time is Coming!

Pat. Jan. 8, 1895.

THE BIGELOW WIRE FLY KILLER.

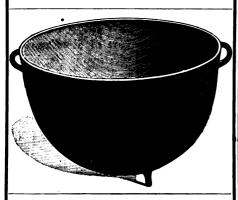
Sure Death to Flies. Kills Without Crushing.

A READY SELLER. GOOD PROFIT.

J. F. BIGELOW. MANUFACTURER,

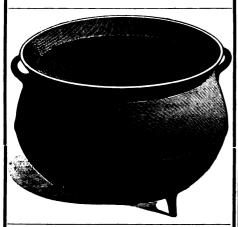
7 Norwich Street, Worcester, Mass.

SUGAR KETTLES.



6 to 35 gallon size. Weight 24 to 95 pounds.

ENGLISH POTS.



Made in sizes from 1 to 20 gailons. Weight 5 to 69 pounds.

We have the largest and best equipped factory in the south for the manufacture of Sad Irons, Country and Stove Hollow Ware. Ground and Unground. Sugar Kettles, English Pots, Cast Iron Shoe Lasts and Stands, Kitchen and Corner Sinks, Grates, &c.

BLACKLOCK FOUNDRY

TENN.

The Triumph Adjustable Stove Pipe



BECAUSE—It is easy to put up or take down.
Needs no wiring.
When in place is stronger than one continuous

piece.

Can be nested in small bundles.



Send Catalogue and Prices.

The Triumph Adjustable Stove Pipe Ce., JOLIET, ILL.



A Good Proposition.

The CYCLONE SEEDER

(EVERY ONE WARRANTED.)



Sows all kinds of grain and grass seed. Is Strong and Durable.

Possesses many points of merit. Ask for complete description.

Champien Seeder Co... URBANA, IND.

NATIONAL STEEL JOIST HANGER. FOR WOOD HEADER AND BRICK WALLS.

THE NATIONAL IRON & WIRE CO..

Structural and Builders' Iron Work.

Sole Makers, CLEVELAND, O.

CHANDLER & BARBER, F. B. HAWKINS CO., PALACE HARDWARE CO., New England Agents, New York Agents, New York, N. Y.

Pacific Coast Agenta, San Francisco, Cal.

Let a woman see it and you've made a sale

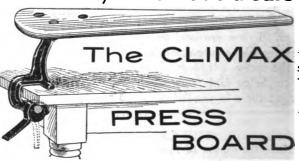
BECAUSE-

It's the handiest thing of the kind ever invented.

It's needed in every household.

Can be securely fastened to table or ironing-board in an instant by means of the ec-centric-clamp, and as quickly removed when not needed.

RETAILS AT 75C. Big Profit to Dealers.



THE MICHIGAN RUG CO., BATTLE CREEK, MICH.

IWAN'S IMPROVED SERRATED HAY KNIFE

WITH WAVING EDGE.

Adjustable Handles, Wood or Iron Grips. Cuts hay or straw faster and easier than any other knife on the market, and keeps sharp longer.
Tool steel blades, malle-

able iron back. A perfect tool. Write for prices and discounts for our Post Hole Diggers and full line of Hardware Specialties.

WAN BROS..

BY

ALL

JOBBERS.

One

Dozen

in a Box

STREATOR, ILL.



FORMULT INSTRUKT

The GLACIER Refrigerator

for this fine Glacier, 28 in. wide, 17 in. deep, 28 in. wide, 17 in. deep, 24 in. high, holds 30 lbs. of ice. Ash frame with figured golden oak panel, sliding adjustable shelves, zinc lined; insulated with best mi neral wool; springhinges, airtight lock: cleanable; dry air; scientific.

SUP ERIOR to other makes in many ways. The unequaled insulation is of 8 DISTINCT WALLS, 10 figure, 30 for harcoal sheathing, so fwood, 10 fmineral wool, 10 fmineral wool resembles glass shavings, and furnace slag, odorless and inamber is drier and colder than set easily cleaned, and all air ure by an occasional washing.

n any other make. They are the most easily cleaned, and all air passages can be got at quickly—kept pure by an occasional washing. We sell our Glacier Refrigerators with a guarantee that they are perfectly satisfactory. Shipped freight paid to towns where we have no dealer. Hast of Omaha and North of Tennessee. We have made refrigerators for 26 years and know how Prices from \$7.75 to \$40.00. Write for free catalogue and booklet—"A Machine, Nota Box."

NORTHERN REFRIGERATOR CO., Ferry Street - Grand Rapids, Mich

THE ICE CROP IS GOOD

Your sales of

REFRIGERATORS

will also be good if you handle

THE GLACIER.

ACIThis advertisement appears in all the popular magazines and inquiries are referred direct to our dealers.

We not only furnish you the best and handsomest Refrigerators in the world, but we help you to sell them by our liberal advertising. We also furnish you with colored circulars, electrotypes, window signs, wall sections, small catalogues and a booklet on the care of Refrigerators which will please your customers. Refrigerators made in Grand Rapids will sell better than if made elsewhere. LET US HELP YOU SELL REFRIGERATORS. Write us.

NORTHERN REFRIGERATOR CO.,

GRAND RAPIDS, MICH.

The Pero Hone Strop.

A PERFECT STROP FOR MEN WHO SHAVE THEMSELVES.

Something Entirely new and that you can recommend. The result of 20 years experimenting by an expert barber. Lasts a lifetime. Pays a Liberal Profit and money refunded if not satisfactory. Write for full particulars and testimonials.

J. H. PERO, - 237 N. Clark St., CHICAGO.



WE PAY MONEY BACK

Gladly if you are not completely satisfied with the wonderful

Search - Light Uapor Lamps

Every Lamo a success and fully guaranteed.

Write to-day for Catalogue. 175 E. Division St., Chicago, Ill.

SOMETHING NEW "STANDARD" BALL-BEARING PHILADELPHIA CASTERS.

Samples and Catalogue free.

Standard Caster & Wheel Co., 312-326 East 23d St., New York.





FRYING-PAN CLOCKS

Are unique and ornamental as well as useful They come in two sizes no in. dial, with raised figures, and 6 in. dial, with painted figures.

Also Tile, Program and 60-Day Clocks. SEND FOR CATALOGUE NO. 1000.

The Prentiss Clock Improvement Co.,

Dept. 100, 49 Dey St., New York City.

SEWING MACHINE NEEDLES

are now carried by the wajority of Hardware dealers. We carry a full and extensive stock of them and also all other kinds of Needles, and can make prices that will interest the trade.

SHRIMPTON MFG. CO. 873 Church St., New York.



We are sole manufacturers of

IMPROVED OVAL CHURN.

It is sure to give satisfaction for the following reasons:

Simplicity. Quick Churner.

Dasher can be taken out without removing any castings.

Substantially built of very best kiln dried white ash.

We have had 15 years' experience Our motto: Good goods and

GOSHEN CHURN & LADDER CO.

GOSHEN, IND., U.S.A.

AGENTS WANTED

We are the largest manufacturers in the United States of Plain and Ornamental

FENC

WRITE FOR CAT. No. 34 GIVING SPECIAL DISCOUNTS.

THE STEWART IRON WORKS.

CINCINNATI, OHIO, U. S. A.

Write for Vase and Lawn Purniture Catalogue 9V.



MOP WRINGER and PAIL

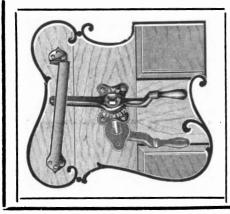
Patented June 16th, 1896.

Best Cedar Pails, Seasoned Maple Rolls, Solid Brass Springs, Steel Chain and Side Bars, Wrought Iron Footholds and Levers. Cast Iron Pulleys. All put together with screws. Rolls are inside of pail, allowing no water to splash on floor when

Practical, Strong, Neat. WRITE-FOR PRICES. MANUFACTURED BY

BEECH NOVELTY Co.,

MANSFIELD, OHIO, U. S. A.



WORKS BOTH WAYS

Fastens the door shut or forces it open. Operates on inside or outside and on right or left hand doors.
Malleable iron, tinned or nickel plated. Also polished brass or brass nickel plated.

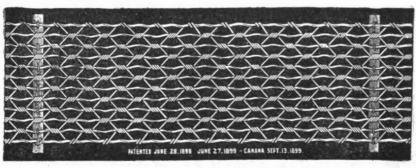
MADE IN 5 SIZES.

Ask for Catalogue and Prices.

BERNARD GLOEKLER. PITT8BURGH, PA.

INDIANA STEEL AND WIRE COMPANY

MANUFACTURERS



WOVEN DIAMOND MESH HIGH CARRON COILED SPRING FENCE

A Complete Line of Hog, Sheep, Wire Nalla, Colled, Piain and Galv Galvanized Fence Staples, Bale Ties.

MUNCIE, INDIANA, U. S. A. Main Office and Milis.

MR. DEALER:

DO YOU WANT A GOOD THING?

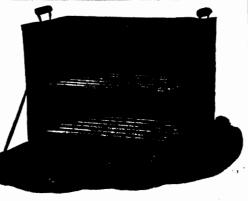
In other words if you want to give your customers BEST VALUE in OVENS

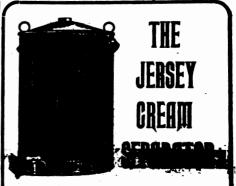
BUYTHE TROY

Bake quickly, perfectly, and evenly on both top and hottom.

Before placing your oven order write us for particu-lars and prices. It will pay

ROYAL POLISHED STEEL ROASTER CO., TROY, O.





SEPARATES cream from milk in less than one hour. It is simple. practical, and a ready seller.

WE SELL TO DEALERS ONLY.

Write for descriptive Circular and Prices.

... THE ...

GALESBURG CORNICE WORKS. CALESBURG, ILLINOIS.

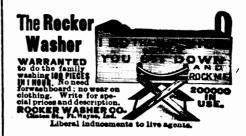


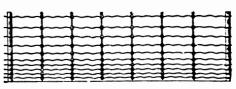
Tinners all like 'em.

YES they all like the Powers
Automatic Chimney Top.
They make chimneys and
stoves draw satisfactorily. They create
demand for Gal. Irom
smoke stacks, give
employment to Tinners and profit to all.
Cover is easiest
made and most effective. Wind blowing
pat cover makes a
vacuum. causing
strong up-draft.
Architects specify
them, Tinners all prefer them, Dealers sell
them, Powers sell
lron Mountings, Tinners do the rest.

Sole makers, STREATOR, ILL.

POWERS BROS., Sole makers, STREATOR, ILL.





A Complete Line of Plain, Coiled or Ornamental Fences, Gates and Poultry Netting.

All kinds of WIRE at lowest prices. Goods Standard the World Over.

THE JONES NATIONAL FENCE COMPANY, COLUMBUS, OHIO.



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HOLDER



PATENT APPLIED FOR

Coulter

The most practical and handy shoe holder Adjustable, simple, absoon the market. lutely rigid. Fits any shoe.

SELLS ON SIGHT

No better device on the market for holding Men's, Women's and Children's Shoes while cleaning and polishing. Is detachable from wall, is nickel plated, has two trees or feet, weighs less than three pounds.

Retails for \$1.00 INCLUDING BOX OF "BLACKOLA"

GIVES GOOD PROFITS TO RETAILER. SOLD BY LEADING JOBBERS.

FOR PARTICULARS ADDRESS

HE COULTER MFG. CO.

P. O. BOX 24, PHILADELPHIA, PA.

POULTRY NETTING

We purchased at Sale, 7000 bales, hexagon Poultry Netting, Galvanized. It is all put up 150 ft. to the bale, and is in GOOD CONDITION.

NOTE OUR PRICES:

	2-INCH MESH.								1½-INCH MESH. 1-INCH ME							
Wire No.	20	19	18	17	16	15	14	20	19	18	17	20	19	18		
	\$0.45	0.50	0.65	0.90	1.10	1.50	1.90	\$0.60	0.70	0.90	1.45	\$1.10	1.25	1.50		
18		.75	.98				2.85		1.05				1.88			
24		1.00		1.80		3.00			1.40	1.80						
30		1.25		2.25		3.75	4.75		1.75		3.63		3.13			
36	1.35	1.50				4.50	5.70		2.10	2.70			3.75			
42	1.60	1.75		3.15		5.25	6.65				5.08	3.85				
48	1.80		2.60	3.60		6.00	7.60		2.80	3.60	5.80	4.40	5.00	6.00		
54	2.00	2.25									6.53		5.63			
60		2.50	3.25	4.50	5.50	7.25	9.50		3.50			5.50				
66	2.50							3.30								
72	2.70	3.00	3.90	5.40	6.60	9.00			4.20			6.60	7.50	9.00		

Prices are per bale of 150 ft.

Sizes without prices mentioned are all sold out.

Terms, Net Cash F. O. B. Chicago for immediate acceptance only.

When you are in want of bargains write for our confidential CATALOGUE No. 357.

CHICAGO HOUSE WRECKING CO., West 35th & Iron Sts.,

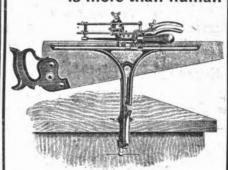
IMHAUSER'S Watchman's Time Detectors That Cannot Fail.

Made with 12 or 24 different keys. Contain all the modern improvements. Warranted in every way. Cannot be tampered with, without detection.

Manufactured by

E. IMHAUSER & CO., 206 Broadway, New York.
Write for Catalogue. Highest Award Pan-American Exposition.

The Sterling Saw Set



Why? Because it will do what no mortal can accomplish.
What? It will accurately file, set and joint a saw.

When? When used by man, woman, boy or girl-old or young.

Where? Any place you want to use it.

Price, 18 in. \$3.00, 24 in. \$5.00.

Sent to any address, express paid.

STERLING WRENCH CO.

Rockford, III.



for Ladies'



Write for Prices MANSFIELD WEST CO.,

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MARCH 25, 1902.

Che Forton Rotary Washer Is the up-to-date Washing Machine. It sells readily and stays sold, and makes money and friends for the dealer. Give it a trial, and we will guarantee the rest. Catalogue and Prices On Application We have recently acquired, by purchase, all patents and rights to manufacture The Globe Washing Machine, formerly made at Cincinnati, O.

JACKSON" POCKET

Four reasons for buying them.

- 1. Blades and back springs Wardlow steel.
- Workmen of life long experience.
- 3. Superintendent "cranky" on fine finish and edges
- 4. Low prices.



FREMONT, CHIC THE JACKSON KNIFE AND SHEAR CO. 1. 8. A.

Established 1836.

Horton Mfg. Co.

FORT WAYNE, IND.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

IOSEPH RODGERS & SONS, LIMITED, BEST CUTLERY IN THE WORLD, PEUGEOT FRERES, COATES CLIPPER MFG. CO. ELEY BROS., LIMITED, L. HUGONIOT TISSOT, ISAAC GREAVES, W. K. & C. PEACE, R. & J. LINACRE, WEBSTER & HORSFALL,

CAPS, WADS, CARTRIDGE CASES, ETC.
FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
SHEEP AND GARDEN SHEARS.
GRASS HOOKS, SCYTHES AND STRAW KNIVES.
GRASS HOOKS, SICKLES, ETC.
PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.
HOWING brends of Civilary.

Proprietors of the following brands of Cutlery.

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY Co., COST TINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.,

Standard Self-Meiting, Self-Sealing Wax Strings



Is the very best sealing wax made for all kinds of fruit cans. Veryadhesiveandeconomical. For sample and price to the trade, address the sole agent for the United States,

C. C. FOUTS, -

Middletown, Q.

Syracuse Hand Carts.

IMPROVED PATTERN, WOOD OR STEEL WHEELS. THREE LEAF STEEL SPRINGS.

BOX WELL IRONED. LEG FOLDS UP TO THE HANDLE. NICELY PAINTED, STRIPED AND VARNISHED. SEND FOR PRICES.

Syracuse Chilled Plow Co.,



Syracuse, N. Y., U. S. A.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1853

Tools, Cutiery and Springs.

SCREWDRIVERS OF ALL KINDS

SEND FOR CATALOGUE



For Butler's Pantry Doors and all other Swing Doors the

"BARDSLEY" CHECKING SPRING HINGE

is unequaled. It closes the door with a soft, gentle and noiseless action and stops it at once at the center. It goes in the floor under the door.

Made in 6 Sizes.

CATALOGUE FREE.

JOSEPH BARDSLEY, 147 to 151 Baxter St. Rececececececece

KEYSTONE Every One Something **BOILER HANDLE** Guaranteed **New** WRITE THE **FOR** HIGHEST PRICE IN QUALITY

BERGER BROS. Send for Free Sample PHILADELPHIA

Two Styles Round and Square





8kylights, Ventilators. Finials, AND ALL KINDS OF Sheet Metal Work.





SPALDING

HE Spalding Retailers' Protective Policy will continue on the progressive lines laid out when it was inaugurated, January 1, 1899.

Dealers should remember that:

"The Spalding" line of Athletic Goods is an all-year-round line, with a guarantee profit, backed by a house with a world-wide reputation. Always something selling, and no price-cutting allowed. If there is a dealer who does not know about our goods or understand our policy, we shall be glad to have him write to us for full particulars.

In order to give better service, and facilitate quick delivery of our goods, we have established a number of new distributing offices, beginning with the season of 1902.

For the information of the trade, we give below a list of cities where we maintain houses or distributing offices for our goods.

Spalding's Spring and Smmmer Catalogue for 1902 is now ready and will

be sent to any dealer who asks for it.

The new catalogue is a work of art 88 pages, bound in handsome illuminated cover, contains over 500 illustrations and will be a handy reference guide to any

dealer handling sporting goods. Send at once for one.

Spalding's Official Base Ball Guide for 1902. Larger and more complete than ever. Contains the Official Playing Rules for 1902. Order at once through your news company.

A. G. SPALDING & BROS.

NEW YORK CITY, 126-130 Nassau St. 29-33 West 42d St. PHILADELPHIA, 21 North 13th St. 611 Main St. BUFFALO, N. Y., BOSTON, MASS., 73 Federal St. BALTIMORE, MD., 25 West Baltimore St.
MONTREAL, CAN., 767 Craig St.
LONDON, ENG., 54 FE Fottor Lang.

53, 54, 55 Fetter_Lane.

147-149 Wabash Avenue. CHICAGO, 1616 Arapahoe St. ST. LOUIS, MO., KANSAS CITY, MO., 709 Pine St. 605 Wyandotte St. 615 Wyandotte St. 218 Kasoto Block. Hennepin Ave. & 4th St. SAN FRANCISCO, CAL., 35 New Montgomery St.

WHOLESALE AND RETAIL DISTRIBUTORS

PORTLAND, OREGON, Honeyman Hardware Co. LOS ANGELES, CAL., Tufts-Lyon Arms Co. NEW ORLEANS, LA., F. F. Hansell & Bro.







HARDWARE DEALERS' RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

Incorporations, New Stores, etc.

Augusta, Me.-Kelley-How Hardware Co. has been organized for the purpose of dealing in Hardware, wholesale and retail, with \$300,000 capital stock. The officers are: President, C. L. Andrews of Augusta; treasurer, F. L. Dutton of Augusta.

Benton, Ill.-McFall Hardware Co. has been incorporated. Capital, \$10,000; incorporators, W. W. McFall, A. L. Eskew and G. C. Cantrell.

Boonton, N. J.-Dilmore C. Barton, senior member of the firm of Barton & Looker, Hardware dealers of Boonton, and Alfred Barton of Paterson, will open a new Hardware store in Passaic.

Camden, N. Y.-A new Hardware firm has been organized by William R. Becker and Coonrad Klett.

Chambersburg, Pa.—Edward E. Eckels and Charles R. Brand will open about April 1 a popular-priced Hardware store in the room now occupied by the New York Racket store on South Main Street.

Dunbridge, O.-L. J. Wilson and V. H. Carter have started a Hardware and implement store.

Grand Rapids, Mich.—The Miles Hardware Co., with a capital of \$25,000, has been organized, and succeeds F. R. Miles & Co., located at 84 Monroe Street. Officers of the company are as follows: President, George J. Phillips, Allegan; vice-president, William T. McMullen, Grand Rapids; secretary-treasurer, Frank R. Miles. The new firm will handle wholesale fishing tackle. retail Hardware and factory supplies.

Grove, I. T.-Cherokee Hardware Co. has been incorporated. Capital stock, \$6,-500; incorporated by W. H. Doherty, W. H. Sutton, W. P. Mayes and W. E. Holland.

Elizabethtown, Pa.—George A. Fisher has opened a Hardware and novelty store in his new building near Centre Square.

El Reno, Okla.—The C. Kimmell Co. has been incorporated to do a wholesale and retail Hardware business; capital stock, \$75,-000. Incorporators, C. Kimmell of El Reno; M. L. Wood and W. T. Shoemaker of Weatherford.

Harriette, Mich.—Stanley & Son.

Hudson, Ind.—Perry Ritter and Dave Long have opened a Hardware store in this place.

New York, N. Y .- The American Hardware Co. has been incorporated. Capital \$1,000, and directors: F. S. Gemmell of Jersey City, and F. H. Cowles and R. F. Manning of New York.

Madison, Wis.—Peter Burger, Cardinal Block.

Mt. Auburn, Ill.-Rohen & Phillips. Oak Grove, Pa.-C. C. Curtin. Oak Harbor, O.-Bredbeck & Son.

Osceola, Ark.—Articles of incorporation filed. The capital stock is \$7,000. The corporators are A. O. Burton, D. H. White, J. B. Burton.

Sauk Centre, Minn.-Peter Thiers will open a Hardware store at Foley.

Sprague, Wash.-L. C. Fisher, George E. Smith and C. B. Charles have purchased three lots on C Street and will build at once. The building will be a one-story frame with an 80 foot glass front and 50 Henry Senne. foot rear. The firm name is L. C. Fisher & Co., and will hardle Hardware, implements and vehicles.

Waltham, Mass.—B. L. Spofford, Coburn Block.

Changes.

Anchor, Ill.-J. A. Wadsworth, of El Paso, has purchased the Hardware store of Collins & Grove.

Bridgewater, S. D.-The firm of Mayer Bros., which has conducted a Hardware business for a number of years past, has disposed of the entire stock to T. J. Ryan and James Bowen of this place, who will continue the business in the future. The consideration was \$10,000.

Chenango Forks, N. Y.—Arthur and Fred Palmer have purchased the store and stock of Hardware and tin of H. F. Strickland.

Dover, Del.-The firm of Lord & Hope, dealers in Hardware, farm implements, stoves, furniture, etc., has been dissolved by mutual consent, and in the future the business will be conducted in the name of C. W. Lord & Sons. Mr. Hope retires from the business, which will be conducted by Mr. Lord.

Evanston, Ill.-The Hardware firm of Connor & Arnold, 609 Davis Street, has dissolved partnership. Mr. Connor has purchased the interest of Mr. Arnold, and the business will be conducted by Mr. Connor alone.

Hammond, Ill.—J. A. Bryson has bought a loss of \$3,000, partially insured. out his partner, J. R. Mitchell, in the Hardware store, and assumes entire control of the business.

Hastings, Minn.-The Johnson & Greiner Co., Hardware dealers, have dissolved partnership, S. N. Greiner and B. F. Tor- \$500. rance retiring.

Kennedy, N. Y.-W. M. Dailey has moved his stock of Hardware to Falconer, where he will engage in business with his son, C. B. Dailey.

Ludlowville, N. Y.-W. B. Miller now conducts the only Hardware store in town, having bought of Wood & Holden and C. A. Campbell their stock of goods.

Marble Hill, Mo.-J. H. Wisecearver has bought the Henry Ellfrank stock of Hardware, and will conduct a general Hardware \$100.

Moira, N. Y.-The Hardware and plumbing business of the W. S. Lawrence Co. has been purchased by Montross, Martin & Co. pocket knives, etc.

Montpelier, Vt.-The partnership existing of the Osceola Hardware Co. have been between J. V. Brooks and C. H. Deming, who have conducted a general Hardware store, has been dissolved, and hereafter the W. F. Tarkington, A. B. Tarkington and business will be divided into two branches and run as separate concerns.

> No. Abington, Mass.-Edward Monahan, who has been connected with B. W. Clark's stove and Hardware store the past ten years, has purchased the business.

> Nunda, Ill.—Herman Freve has sold his Hardware stock to his brother George and

Embarrassments.

Fort Scott, Kan.—The firm of D. C. Noonan & Son, who were recently forced into bankruptcy by a number of creditors. through their attorney, J. I. Sheppard, have confessed bankruptcy. Will Seagraves has been named as receiver and he will immediately take charge of the stock and dispose of it.

Harbor Springs, Mich.—The Hardware and grocery firm of Burke & Wilson has gone into the hands of a receiver.

Montreal, Can.-B. Rosaire Magnan, doing business as a Hardware dealer, under the name and style of Magnan Freres, has consented to assign, on demand of Pierre H. Dufresne, accountant, who has been appointed provisional guardian.

New Market, Va.-George B. Tussing, Hardware merchant, has made an assignment for the benefit of his creditors. It is stated his liabilities amount to about \$4,000.

St. Joseph, Mo.-Christian H. Boller, who has conducted a Hardware store at 510 Edmond Street for a quarter of a century, has filed a voluntary petition in bankruptcy.

Tuckahoe, N. Y.-John A. Wise, dealer in Hardware, paints, oils, etc., and general merchandise, of Breckenridge Street, has assigned to Will F. Gay of Mount Vernon.

Recent Fires.

Conneautville, Pa.-O. C. Dickey's Hardware store has been destroyed by fire, with

Halifax, N. S.—Crowell Bros.

Hubbardstown, Mich.-James mott.

Lawton, Okla.-March Bros. Loss, \$5,000. Meridian, Miss.—A. McMillan.

Osceola, Pa.—Fred Taylor.

Portersville, Pa.-McDonald's Hardware store.

Purdy, Mo.-Wm. Fly. Loss, \$3,000. Reedsburg, Wis.-Peter Hagenah.

Stoneboro, Pa.—Scott Hardware Co. Loss, \$1,000.

Thomasville, N. C .- People's Hardware

Burglaries.

Belton, Tex.—Brown Hardware Co.;

Crowley, La.-T. J. Toler; \$300.

Madison, Wis.—Sumner & Morris; \$200. Mt. Vernon, Wash.-T. R. Hayton,





WHEN YOU SEE

VARISIES

BEARING THIS LABEL

You may be sure

they are the best made.

CARRIAGE VARNISHES, RAILWAY VARNISHES, PIANO VARNISHES.

WOOD FINISHES

VARNISHES AND JAPANS OF ALL GRADES, AND FOR EVERY USE KNOWN.

BERRY BROTHERS LT'D.

NEW YORK, 252 PEARL ST., BOSTON, 520 ATLANTIC AVE., BALTIMORE, 22E. LOMBARD ST. PHILADELPHIA, 26 & 28 N. FOURTH ST., CHICAGO, 15 & 17 LAKE ST., CINCINNATI, 304 MAIN ST., ST. LOUIS, 112 FOURTH ST., SAN FRANCISCO, 12 FRONT ST.

FACTORY & MAIN OFFICE, DETROIT.

IF YOU HANDLE VARNISH IT WILL PAY YOU TO DROP US A LINE.

CIGAR KNIVES

Shoe, Butcher and Kitchen Cutlery Carpenters' Drawing Knives, Screw Drivers, etc.



Send for lliustrated Catalogue of Full Line.

C. J. KIMBALL CO., Bennington, N. H., U. S. A.

IT SELLS ON SIGHT!

Dandy Shiner

A HOUSEHOLD NECESSITY!

LIGHTEST! NEATEST! MOST PRACTICAL!

And the only rigid Shoe-holder.

It holds any size shoe perfectly rigid while being cleaned and polished with cloth or brush. High friction polish cannot be obtained by bending over the old blacking box.

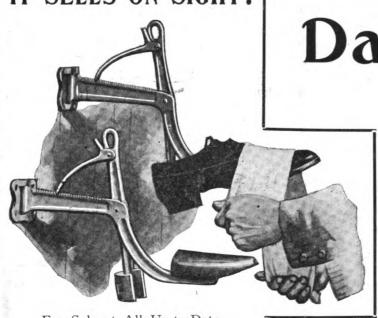
The Dandy Shiner fills the bill. Has two lasts—men's and women's; can be re-

moved quickly when not in use; it is a splendid shoe stretcher; it is nickel plated; it is a household necessity.

The Dandy Shiner Co.,

87 Quincy Street,

Springfield, Mass.



For Sale at All Up-to-Date Hardware Stores.

Price, \$1.00

Complete with Ladies' and Men's Lasts

Liberal Discount to the Trade.

HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers over the country, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc., will be gladly received, and promptly published.

New Incorporations, Etc.

Co. has been incorporated, with a capital of ture iron and steel products. Capital, \$100,-\$10,000, for the purpose of manufacturing Hardware specialties and patented articles. The main office will be in Syracuse. The directors are: Louis A. Sherbano, Frank E. Allen, William H. Porter, August Kinck, Jr., and Joseph N. Austin, all of York City. Syracuse.

America has been incorporated with a capital of \$1,000,000, to manufacture paints and painters' supplies. The directors are Geo. S. Adams, L. R. Schwerin and W. A. Hall of New York City; L. R. Speare and E. B. Speare of Newton Centre, Mass.; R. W. Bird and C. F. Carruth of Boston, and F. S. De Ronde and Sheffield Phelps of Englewood, N. J.

Alliance, O.—The Standard Bolt Mfg. Co. has been incorporated by H. H. Shaffer, W. F. Fogg, E. E. Scranton, J. C. Devine, George W. Sturgeon, P. M. Hass and G. O. Scranton. Capital stock, \$100,000. The new company will manufacture bolts.

Cranford, N. J.-A certificate of incorporation has been filed by the Adder Machine Co., the incorporators of which are Stephen J. Cox, Cranford; Herman Meyer and Stephen S. Newton of New York. The principal office of the company is located in Cranford. The object of the company is the manufacture, acquiring, dealing and disposing of machinery, machine tools and Tool Co. is making preparations to install other appliances. The total authorized capital stock is \$100,000.

Erie, Pa.-The contract for the new plant of the Williams Tool Co., Twelfth and Cascade Streets, has been awarded. The building will be of brick, 125 by 50 feet, and will cost in the neighborhood of \$5,000.

Fleetwood, Pa.—The Fleetwood Foundry and Machine Co. has been incorporated, with \$20,000 capital stock, to manufacture agricultural implements.

Hoboken, N. J.—The Safety Nut-Lock Co., 1,300 Hudson Street, has been incorporated for \$30,000. The incorporators are: Davenport Roger, P. O. box 1844, New York; Arthur Hardencourt, 40 East Twenty-eighth Street, New York, and Henry R. an open hearth steel department, a rolling Forbes, 1,300 Hudson Street, Hoboken.

Huron, S. D.-American Steel Hinge Co. has been incorporated. Capital, \$200,000; will be 440 feet long and have a width of incorporators, Martin Berstich, Charles M. 60 feet. Moore and Philip Lawrence.

Newark, N. J.-Another newly incorpoward D. Woods, Alfred F. Bannister, Geo. will be quite profusely ornamented with

all of Newark.

New York, N. Y.—The Buckley-Newhall one story high. Co. has been incorporated to manufacture wringers. Capital, \$200,000.

New York, N. Y.-Chas. Creighton Foun-Albany, N. Y.-The Syracuse Machine dry Co. has been incorporated to manufac-

> New York, N. Y.—The Virginia Hardware Mfg. Co. has been incorporated. Capital, \$10,000; and directors, John Hodder, Angus McNeill and W. A. Hart of New

Pittsburgh, Pa.—The Dowerman Rivet Albany, N. Y.—The Water Paint Co. of and Bolt Mfg. Co., recently organized, will build a plant at Thirty-second Street and Penn Avenue for the manufacture of open hearth steel boilers and structural rivets.

Portland, Me.—The Butler Chuck Co. has been organized for the purpose of manufacturing machinist's tools and Hardware, with \$10,000 capital stock. The officers are: President, F. J. Hosmer of Greenfield, Mass.; treasurer, J. H. Anderson of Greenfield. Mass.

St. Paris, O.—The Neer Mfg. Co. has been incorporated to manufacture corn harvesting machines, etc. Capital \$20,000.

Changes and Improvements.

Alton, Ill.—The Hapgood Plow Co. has started the work of constructing a new iron foundry at its plant to do the casting for the plow works. This is a new departure for the Hapgood plow works, as all casting has been done by contract. The new foundry will employ thirty men, and will work the year round.

Ansonia, Conn.-The Derby Machine and new machinery in its factory. It is the purpose of the company to go into the business of manufacturing novelties, such as toys, etc.

Bristol, Conn.-W. L. Barrett will move his Hardware business from the Root factory building on Main Street to Ira B. Smith's new shop on Parallel Street.

Chicago, Ill.—The Grand Crossing Tack Co. has made plans for the erection of an industrial plant to cost \$500,000 on the east side of the Calumet River, between One Hundred and Eighteenth and One Hundred and Twentieth Streets. Contracts for the new plant have already been let. It is to consist of twelve buildings, containing floor space of 70,000 square feet. There is to be mill for the manufacture of steel billets, and all the accessories. The main building

Hartford, Conn.-Ground has been broken for a factory to be occupied by the Atlantic rated concern is the Newark Handy Tool Screw Works. It will stand on Charter Co. It will manufacture patented tools on Oak Street, and will be 204 feet in length, a capital stock of \$50,000. Incorporators, 55 feet in width and two stories in height. Augustus Dusenberry, John Hausman, Ed- The material selected is brick, and the front

R. Losey, William B. Guild and Adam Ohl, terra cotta work. In addition there is to be an engine and boiler house 32 by 17 feet,

Meyersdale, Pa.—The Tubular Lock Co. of this place has purchased the William Miller Cyclone Dust Collector factory, and will convert the large building into a lock factory for the manufacture of tubular door locks. A 40x50 foot addition is now in course of construction, and will be fitted up with all the latest and most improved facilities for the casting of brass and iron when completed. The company purchased the entire stock of the S. R. Slaymaker Lock Co. at Lancaster, Pa., and have already commenced to ship machinery to this

Embarrassments.

Cincinnati, O.—Spencer M. Jones has been appointed receiver for the Belmer-Eames Tool Co.

Recent Fires.

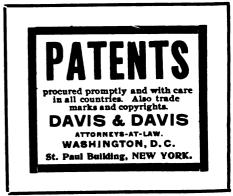
St. Louis, Mo.-The factory of the Benbow-Brammer Washing Machine Co., at 5217 McKissick Avenue, has been burned down, with a loss of \$40,000.

Miscellaneous.

Boston, Mass.—The annual meeting of the stockholders of the Ames Plow Co. has been held at the corporation's office in Quincy Hall. Oliver Ames was a second time chosen president, and Charles J. Whitmore was re-elected treasurer. The old board of directors was retained in office.

Reading, Pa.—The annual meeting of stockholders of the Reading Stove Works was held recently at the office of the company. The election for directors resulted as follows: Edgar Amole, Frank L. Connard, William H. Luden, W. Harry Orr, Jesse Posey, Robert P. Shick and Charles H. Williamson. Upon reorganizing, the board elected W. Harry Orr, president; Edgar Amole, treasurer; and William S. Essick, secretary.

South Norwalk, Conn.—The annual meeting of the stockholders of the Norwalk Lock Co. was held recently, and the old board of directors was re-elected, as follows: E. Hill, John H. Ferris, Augustus F. Beard, W. F. Bishop, A. N. Wildman, Robert H. Swayze and E. Beard.







Sell them what they Want.

It's easy to sell the goods people want. Housekeepers want Sargent's Gem Food Chopper, they call for it, they know it is a great kitchen convenience, they believe it is the best— and it is. We are advertising the Gem liberally; women are being convinced that it is an indispensable kitchen utensil and they want it. You can supply that want and it will be to your advantage to order to-day a stock of Sargent's Gem Food Choppers.

SARGENT & COMPANY,

149-151-153 Leonard Street, New York.

I BUY HARDWARE

FIRSTS OR SECONDS

JOB LOTS

ANY QUANTITY

A. N. Jacob, 272 Bowery, New York.





FANCY GARDEN ROLLER

MADE IN TWO SECTIONS,
REVOLVING ON A WROUGHT
IRON SHAFT.

Made in six sizes, 20 to
25 inches face, weight 200
to 525 pounds.

We make a complete line
of Garden and Field
Rollers.

N. Y. Agricultural Wks..

73 Beckman St., NEW YORK.

SICKELS & NUTTING CO.,

Wholesale Hardware & Manufacturers' Agents,
35 BARCLAY STREET and 40 PARK PLACE, NEW YORK.

CORTLAND DOOR & WINDOW SCREEN CO.

BOLLES HOES.
ROMER AXE CO.

NORTH WAYNE TOOL CO.'S

-Write For Prices.-

LITTLE GIANT, BLACK CLIPPER SCYTHES and GRASS HOOKS.

BICYCLE AND SPORTING GOODS RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, im-provements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Bath, N. Y .- G. N. Curtiss has opened store in the Hardenbrook Building.

has opened store.

Buffalo, N. Y.—The Electric City Cycle Co. has been incorporated with a capital of \$10,000. The directors are Giles Meinell and V. E. Ripper, of Buffalo, and W. H. Ives, of Addison.

Dover, Del.-The E. I. Dupont De Nemours Co., for the manufacture of gunpowder and other explosives, capital \$20,-000,000, has been incorporated.

Great Barrington, Mass.-Ernest Collins has opened store.

Hilliardville, Conn.-J. P. Ledyard will open store in Brown & Patten Building.

Iron Mountain, Mich.-John Strong and Peter Rassmussen have decided to engage in the bicycle business, and have opened up a stand in the store building on corner of B Street and Stephenson Avenue. Besides sales of wheels, they expect to do all kinds of bicycle repairing.

Lanesville, Mass.-Francis Reid, Jr., has opened store.

Los Angeles, Cal.—The Appeal Cycle Mfg. Co. has changed its title to the Appeal Mfg. and Jobbing Co., and has been incorporated with a capital stock of \$100,000, fully subscribed by the following directors: L. M. Passmore, Gideon Haynes, B. L. Vickrey, O. A. Vickrey, Los Angeles; Elsie L. Hamrick, Olive, Cal. The purpose of the corporation is to manufacture bicycles, wagons, moto-cycles, automobiles, engines, boats, gas and gasolene motors.

Newark, N. J.—The Remington Metallic Cartridge Co. has filed articles of incorporation. The concern is authorized to manufacture and sell cartridges and cartridge shells of all kinds, besides percussion caps and ammunition of every description. The local address is given as 27 Cone Street, Orange, and it is supposed that the factory will be built in that city. Eliphalet Remington of Ilion, N. Y., where the big Remington firearms plant is located, is one of the incorporators.

New York, N. Y.-The National Hammock Company has been incorporated; capital, \$120,000. Directors: Lewis Raffloer, Ernest Raffloer and E. C. Comstock of New York City.

Rochester, N. Y.-The Robert Thomson Co. has been incorporated. This company is to deal in bicycles, automobiles and sporting goods. The directors are Robert Thomson, Annie Thomson and Edna I. Thomson. The company is capitalized at \$20,000.

Salem, Mass.—Clem Cooper has reopened the bicycle store at 289 Essex Street.

Salem, Mass.—Frank E. Wing has opened has just moved into its new factory, located store at 277 Essex Street.

Strasburg, Va.-David W. Hupp and Lanek Hottel; new firm.

Toledo, O.-Charles DeVaux has again opened his bicycle store and repair shop at 229 Main Street.

Utica, N. Y.-W. L. Packman, who has Beverly Farms, Mass.—Charles J. Martin been in Australia for the past two years, has returned to Utica, where he will locate permanently. He has opened a bicycle general repair shop at 251 Bleecker street.

Ware, Mass.—A bicycle repair shop has been opened by the Ware Cycle Co. on North Street.

Changes and Improvements.

Auburn, Me.-The V. S. Darling Bicycle Co. will move, April 1, to 52 Court Street.

Bridgeport, Conn.—The H. Wales Lines Co., of Meriden, will shortly begin work on a big four-story brick addition to the plant of the Union Metallic Cartridge Co. in "the grove" on the north side of Barnum Avenue. The building will be 173 by 50 feet, with a main stairway and toilet room projections, and will have two wings, one 180 by 40 feet and the other 72 by 41 feet. The big addition to the factory has been made necessary by the increase of business. It will cost about \$50,000.

Charlotte, Va.-G. B. Keller has purchased interest of partner in Relay Bicycle

East Alton, Ill.—The Equitable Power Co. is preparing an important addition to its big plant, and will furnish one more big manufacturing institution for Alton. It is planned to begin the manufacture of nitroglycerin and dynamite, also fulminating caps and the metallic shells for cartridges. The addition to the plant will give employment to almost twice as many hands as are now on the pay roll.

Galesburg, Ill.-Walton Mfg. Co. have moved to South Chambers Street.

Grand Rapids, Mich.-W. Smalley Daniels having disposed of his interests, the business of Smalley & Daniels has been taken over by the W. B. Jarvis Co., Ltd.; capital, \$25,000. The new company will be under the management of Mr. Jarvis, who has associated with him C. B. Kelsey, cashier of the People's Savings Bank, as chairman; James Bayne, of the Bayne Photo and Engraving Co., as secretary, and a number of prominent business men and sportsmen of Grand Rapids.

Great Barrington, Mass.-Minkler & Collins, whose bicycle shop was destroyed by the recent fire, have rented a room in the Berkshire Block.

Hartford, Conn.-Charles E. Wood, former superintendent of the Pope Tube Co., and for the last year located at Toledo, O., as manager of Factory D of the Shelby \$1,800, insurance \$1,000. Steel Tube Co., has resigned that position. He will assume the superintendency of the Seamless Steel Tube Co. of Detroit, Mich.

New York, N. Y.—The P-T Motor Co.

at 322 and 324 Seventh Avenue, at the corner of Twenty-eighth Street. A new plant has been installed, consisting of lathes, drill presses and other machine tools, greatly increasing the facilities of the company.

Reading, Pa.—Charles T. Heckler will occupy new building, 222 Penn Street.

Rochester, N. Y.-The Rochester Cycle Mfg. Co. has gone out of business. It had been making automobiles of late.

Shelburne, N. Y.-Walter S. Colwell succeeds J. C. Robinson.

Southampton, N. Y.-Henry N. Clark has moved to Reeves Building.

South Norwalk, Conn.-J. C. Roth, of North Main Street, will close out his bicycle business and move out of town.

Syracuse, N. Y.—The Lefevre Arms Co. has purchased of A. D. Sanford the property at the corner of Leavenworth Avenue and Maltbie Street. The consideration was \$12,500. The property will be utilized for factory purposes.

Utica, N. Y.-James Robinson has sold Sherburne Bicycle Enamel Works to Walter Colwell.

Utica, N. Y.-Otto L. Endres has returned home, and has again taken charge of the bicycle and phonograph business of Endres & Co., 43 Varick Street.

Windham, N. Y .- Mack & Jenne have reopened store and absorb Osborn & Arnold.

Wapeton, N. D.-Andrews Haiser has bought out the bicycle business of R. J. Hughes.

Winona, Minn.—Steffes Bros., dealing in bicycles and sporting goods, have been succeeded by Nick Steffes.

Zanesville, O.-Lindsay & Bennett succeed Harsch & Bennett.

Embarrassments.

New York, N. Y .- Schedules in bankruptcy of Alexander Sirlyn and Benjamin Rubenstein, doing business as the Standard Sporting Goods Mfg. Co., at 163 Washington Street, show liabilities of \$8,422 and assets of \$2,835, consisting of accounts, \$455, and cash realized from sale of stock, \$2,380.

Minneapolis, Minn.-H. H. Kenkle and others of the Republic Motor Vehicle Co. have made an application to the District Court asking that a receiver be appointed. This action is taken in order that certain matters may be adjusted, and it will in no way conflict with the contracts which the company have for the transportation and collection of mails with the government.

Recent Fires.

Buffalo, N. Y.-George W. Miller; slight damage by fire.

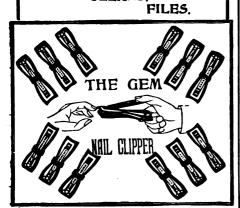
Yonkers, N. Y.-Albert Soller; loss

Burglaries.

Riverhead, N. Y.-E. Moutoux. San Antonio, Tex.-J. S. Dodds & Co.



The GEM **CLIPPER** NAIL CUTS, CLEANS,



Mounted 12 on card like the illustration.
They make an attractive show and sell like hot cakes

SAMPLE BY MAIL, 25 CENTS.

PRACTICAL Manicure

Perfect for removing hang nails. Send for circular and prices.

C. COOK CO.,

ANSONIA, CONN.

AT THE FRONT

The Morrow Goaster Brake

Greatest Labor Saver. ECLIPSE MFG. CC., Ave.15, ELMIRA, N. Y.

Bicycle, Sleigh, House, Hand, Trip and

Rotary Door Send for Catalogue STARR BROS. BELL CO., Easthampton, Cosn., U.S. A.

THE-

FEARN CASEMENT FAST.

Especially useful on Hinged Cellar and Attic Sash.

It draws the Sash or Door to place even if sprung ¼ in., or latches if shrunk or sagged. Only two screws used in applying it.

If carelessly put on it does the work anyway.

Applicable to right or left hand, top or bottom.

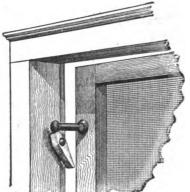
The Columbus Sash Ribbon Co., COLUMBUS, OHIO.

MUTILATE your papers with pins GEM or fasteners but use "CEM PAPER CLIP.

Only satisfactory device for the temporary attachment of all kinds of papers. Quickly applied and removed. Adopted by leading corporations as being without an equal. Samples free.

Price, 15 cents per box of 100. GUSHMAN & DENISON. Mfrs. 240-2 W. 224 St., N.Y.

THE DIME SCREEN DOOR CHECK



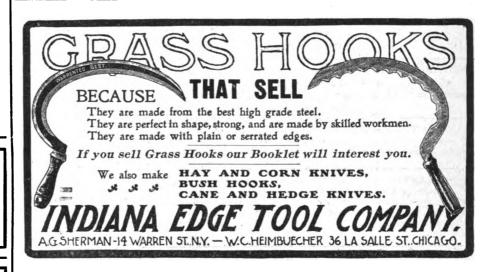
MOST EFFECTIVE DEVICE FOR PREVENTING THE SLAMMING OF SCREEN DOORS. .

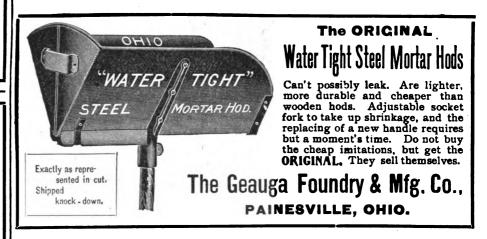
The closing door brings the plunger on the door in contact with the top of the rubber bumper, throwing it up to a horizontal position. The door rebounds from the concussion and the rubber drops by gravity to a perpendicular position, allowing the door

Packed in attractive display boxes to retail for 10 Cents.

CALDWELL MFG. CO.,

Rochester, N. Y.













Hardwaremen's Exchange.

Notices of HELP WANTED or SITUATIONS WANTED will be inserted in this column, for subscribers, free of charge. Should not exceed Four Lines. Notices of SIDE LINE OFFERED, SIDE LINE WANTED and ALL OTHER NOTICES, twenty-five cents per line.

Help Wanted.

PLUMBER AND TINNER combined; s'eady work. Apply, with references, to Stubbs & Jakway, Durango, Colo. 317

Situations Wanted.

ACCOUNTANT.—Position wanted by an experienced accountant and cashier. Open for engagement February first. Highest references as to character and ability. Address L., Box 1066, Derby, Conn.

BOOKKEEPER, middle-aged, desires position. Has a thorough knowledge of all details of office work, quick, accurate and reliable, and has first-class record. Is acquainted with the manufacturers of metal goods and foundry work; accustomed to control work people, and to obtain best results. Address Mellor, care Hardware, 275 Broadway. New York.

BOOKKEEPER thoroughly experienced and competent to take entire charge of office, desires position. First class references. Address H. G. T., care HARDWARE, 275 Broadway, New York.

COST CLERK.—Young man. experienced and able to install a complete "Cost of Production System." Highest references and bond given. Address "Systematist," care Hardware, 275 Broadway, New York.

HARDWARE CLERK.—A young man, aged 20 active and energetic, self-reliant and competent, would like a position in a wholesale Hardware store, where strict attention to business and ambitious application would merit early advancement. Address G. G., care HARDWARE, 275 Broadway, New York.

HARDWARE CLERK.—Hardwareman experienced as clerk, book-keeper, buyer and manager in retail store, desires position with wholesale or retail store, or on the road Best references as to ability and character. Address R. C. WENCK, Newberry, Pa. 302

HARDWARE CLERK.—Hustling young man of wide experience in buying and selling Hardware, mill supplies and paints, desires position as clerk or manager in retail store. Excellent references. Address Thomas Brown, 32 Hawley Street, Boston, Mass.

HARDWARE CLERK.—Position as clerk in Hardware store in live town, or to represent some Eastern house. Thirteen years' experience in wholesale and retail houses. Best references. Address Sickels 401 Park Avenue, Waukesha. Wis.

HARDWARE SALESMAN.—A young man of wide experience in buying and selling Hardware, desires to connect himself with a progressive manufacturer who appreciates the value of brain and intelligence. Address W., care HARDWARE, 275 Broadway, New York.

HARDWARE SALESMAN.—An AI specialty salesman wants to represent some good firm in Cleveland and nearby trade. No traveling. Address CLEVELAND, care HARDWARE 275 Broadway, New York.

HARDWARE SALESMAN.—Experienced Hardwareman wants position as salesman (road or store). New York State preferred. Thoroughly conversant with Builders' Hardware, Mechanics' Tools and Supplies, Farm Implements and General Machinery. First class references. Address A. A. P., care HARDWARE, 275 Broadway, New York.

Situations Wanted.

LADY BOOKKEEPER.—A young lady assistant bookkeeper or entry clerk, with moderate ideas as to salary, desires a place in a Hardware store, wholesale preferred. Has had several years' experience, and is fully competent. Address W. W. W., care HARDWARE, 275 Broadway, New York.

TRAVELING SALESMAN.—Position by man of fourteen years' experience on the road, with large acquaintance in the Middle West, with correct habits, and AI references in line of Hardware Specialties, Housefurnishing Goods or other staple line. Address Ohio, care HARDWARE, 275 Broadway, New York 304

YOUNG GERMAN speaking French and English, with knowledge of machinery Hardware, desires position. Address H. C. A., care HARDWARE, 275 Broadway, New York.

Export Agency Wanted.

A MERCHANT FROM SOUTH AFRICA new in New York and intending to return shortly, desires to arrange with American manufacturers for their representation in that territory. Address American, care Hardware, 275 Broadway, New York.

Side Line Offered.

GARDEN HOSE, ETC.—Side line offered by high-rated, old-established factory. Address P. O. Box 1371, New York. 312

TRAVELING SALESMAN.—Salesman wanted for retail trade to carry side line of shears. Prices and quality right. Address W. M. B., care HARDWARE, 275 Broadway, New York. 290

TRAVELING SALESMAN wanted for retail trade to carry a side line of Screw Drivers. States New York or Pennsylvania. Address Peerless, care Hardware, 275 Broadway, New York.

TRAVELING SALESMEN calling on the Hardware and general merchandise trade in North and South Carolina, Georgia and Florida, offered salable side line. No samples, and good commissions. Address P. O. Box 303. Norfolk, Va.

Side Line Wanted.

NEW YORK AND VICINITY.—A gentleman now representing a first-class line of Hardware would like to add one or more lines of importance for New York and vicinity. Best of references as to experience and ability. Address B. H., care HARDWARE, 275 Broadway, New York.

Ad. Writing.

Do You Write Ads? SEND TODAY FOR INVALUABLE INFORMATION—FREE HARPER SYNDICATE, Columbus, C.

Agency Offered.

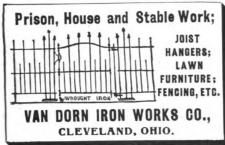
LIVE HARDWAREMEN.—We would like to hear immediately from a few live Hardwaremen who would like to be sole representatives in their towns, of a concern that is in the market for business, and have a line made for "men now on earth"—a modern line THAT CAN RE SOLD to your customers. Address "Box 88," care HARDWARE, 275 Broadway, New York.

For Sale.

HARDWARE STORE FOR SALE.—Stock consists of full line of Builders' Hardware, House Furnishing Goods, Paints and Glass, invoicing \$12,000 to \$15,000. Located on main business street in 32d Ward, Pittsburg. For particulars address C. J. Ammann, 57 Shilob Street, Pittsburg. Pa. 305

MECHANICS' TOOLS AND MACHINISTS' SUPPLY STORE, splendidly located (Pittsburg, Pa.) and doing good business, wholesale and retail, and having first class connections. Energy and ability can greatly increase volume of trade. Address J. B. HARTIE, 1239 Buena Vista Street, Allegheny, Pa.







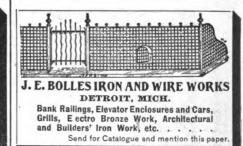


Manufacturers of

SHEET METAL STAMPINGS, BICYCLE PARTS, NOVELTIES, and Contractors for SHEET METAL GOODS.

Corner Seventh and Hudson Streets,

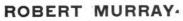
BUFFALO, N. Y., U. S. A.











24 Duane St., New York City.

General Hardware

Agent for Atlantic Screw Works. Wood Screws of Every Description. Agent for Maynard's Socket Shovels.

A WHOLESALE HOUSE

Wishes to communicate with manufacturers of Tools for regular deliveries for Cash. Apply

> E. NEWBORGH & CO., 46 Southampton Buildings, London, W. C.



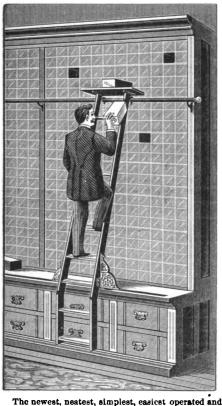
Steel Laid and Hard Cast, in great variety. Nail Pullers, Screw Drivers, Plyers. Wire Cutters, etc. Metal Goods of any kind to order on large contracts.



Admiral Street, Bridgeport, Conn

THE BICYCLE STEP LADDER.

Especially adapted for Hardware Store



safest store ladder made. Highest Award World's Fair. Write us. THE BICYCLE STEP LADDER CO., 65 Randolph St., Chicago, Ills.

1902 Model ady for delivery Jan. 1st.

Removes cut and dead grass, leaves, refuse, etc., from the lawn and sweeps SIDE-WALKS, PAVED STREETS and **FACTORY FLOORS!** Made right, looks right, is right and

guaranteed. THE GREENE MFG. CO., **JOBBERS**

wanting a 1901 NOVELTY, that is a 1902 NECESSITY, must handle

> THE "APOLLO" LAWN-SWEEPER

20, 24 and 28

Inch Sweep. Write for booklet and discounts.

12 East St., Springfield, Ohio, U. S. A.



ORNAMENTAL LAWN FENCE. OVER 50 DESIGNS.

We manufacture all kinds of Fencing, Wire Window Guards, Bank and Office Railing, Wire Settees, Wire Sum-mer Houses, etc., etc., Write for our 52 p. Catalogue and Discounts.

UP-TO-DATE MFG. CO.,

1001 North 10th St., Terre Haute, Ind.

SMALL SPRINGS and RIVETS

OF EVERY DESCRIPTION.

L STAMPING A SPECIALTY.

CLARK

PLAINVILLE, Dept. H.,

CONN

Barrett's Glass Cutters Standard Sold by more Hardware Dealers than



other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U. S. A.

RITE FOR QUOTATIONS



Mention "Bardware."

Polygon Conductor Pipes Won't Burst.

OUR

PRICES SEFORE ORDERING

The twist in the corrugation checks the sudden fall of ice and water, thus protecting the joints. It stands hard knocks because it is corrugated. Again, it is much handsomer than plain pipe. Made in copper and galvanized iron. Catalogue and information free.

Address Dept. H,

AMERICAN STEEL ROOFING CO.

Middletown, O.

THE MYSTIC

SPRINKLER

Is all the name implies.

IT DOES IT -BUT YOU CAN'T SEE HOW.

Best and simplest "Side Sprinkler" ever produced. No revolving parts to wear out, throws either full circle or side spray by merely changing position of thumb-piece.

We also Plain SPRINKLERS in three patterns.

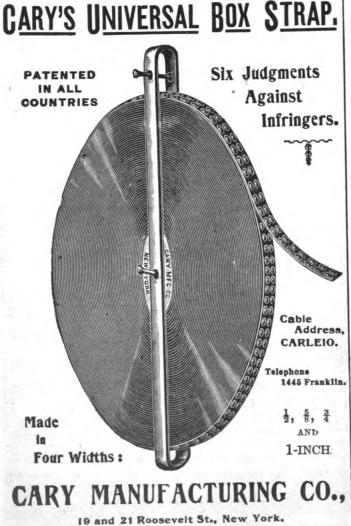
Write for Prices and Circulars.

Write for Prices and Circulars.

F. E. Kohler & Co.,

The Hardware Specialty Mfrs.

Canton, Ohio, U. S. A.





PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher

prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

the dealer upon request, by the manufa	ctu
Ammunition-	
OAPS, PERCUSSION—\$ 1000— U. M. C. Co., trimmed edge	1
CARTRIDGES— Rim Fire Cartridges	
Cent. Fire, Military and Sport- ing	
B. B. Caps, Con. Ball, Swgd	•
SHELLS— First quality, 4, 8, 10 and 12 gauge. 20&5% First quality, 14, 16 and 20 gauge.	1
\$7.50. 20% New Club, New Rival and Climax brands, 10 and 12 gauge 331/45 Primrose Club 15% High Ball 15% Sunokeless 381/46/10% Brass Shot Shells, 1st quality 60.25% Brase Shot Shells, Club, Rival and Climax 65.25%	I
Acme	I
"New Club," Black Powder40&55 "New Rivai," Black Powder40&55 "Arrow" Nitro Powder, 40&10&10&55 "Acme," Dense Nitro Powder, 40&10&10&55	I
9 UN WADS—\$ 1000—	
B. E., 9 & 10	I
### SHOT— Tatham Bros.: ###	S
All Primers\$1.10-1.1234 CABTRIDGES.— Peters Blank Cartridges:	H
.82 C. F., \$5.50. 10&bs .88 C. F., \$7.00 10&bs .92 cal. Rim, \$1.50. 10&bs .82 cal. Rim, \$2.75. 10&bs .83 cal. Rim, \$2.75. 10&bs .84 caps, Con. Ball, Swgd. \$1.85-1.90	A
Pistol and Riffe. 15&5% Primed Shells and Bullets. 15&5% Rim Fire Sporting. 50% Rim Fire Military. 15&5%	E
PRIERS SHELLS—EMPTY— Peters Ideal, 10 and 12 gauge. 831/&10% "New Victor, 10, 12 and 16 gauge. 15% "Quick Shot, 10, 12 and 16 gauge 25.8% "League, 10, 12 and 16 gauge 25.8.5%	J
PETERS SHELLS—LOADED (BLACK POWDER)— Peters League, 10 and 12 gauge. 40 & 5 "Quick Shot, 10, 12 and 16 gauge40 & 5 Loaded with (Semi-Smokeless Powder)	8
Powder). Peters Referee,10,12and16 gauge40&5% Loaded with (Smokeless Powder). Peters New Victor, 10,12 and 16 gauge	A

of any discrepancies, as we desire to y of their constant attention. are given, will always be furnished
irer quoted.
GUN WADS— Peters B. R., 9 to 10
10 to 20
Peters B. R., 9 to 10
** P. E., % in. 8 \$1.50 9&:10 1.85
" White Elastic, % in., 125 in a box.
8
Damp Proof, per 1,000:
8 \$1.50 9&10 1 25 11 to 20 1 100 Card Board, per 1,000:
o
11 to 20
' Nitro card: 8
9&10
POWDER— King's Smokeless (Shot-gun),
Kegs (25lbs bulk)
Quarter Kegs (614bs bulk) 5.75 Canister (1b bulk) 1.00
Half Kegs (1214the bulk) 11.25
Canister (1h bulk)
King's Smokeless (Shot-gun), Kegs (25hs bulk). \$22.00 Half Kegs (12\6ns bulk). 11.25 Quarter Kegs (6\6ns bulk). 5.75 Canister (1h bulk). 1.00 King's Smokeless (Rifle), Half Kegs (12\6ns bulk). 5.75 Canister (1h bulk). 1.05 Cing's Semi-Smokeless, Keg, 26hs bulk. 1.00 Half Keg, 14\6ns bulk). 1.00 Half Keg, 14\6ns bulk. 5.75 Quarter Keg. (6\4ns bulk). 2.75 In 5 Can, bulk. 2.75
Quarter Keg. 614 hs bulk 2.75 1 h Can, bulk
King's Quick Shot (Black), Kegs, 25 lbs
Half Kegs, 1214bs. 2.25 Quarter Kegs, 614bs. 1.25
Discounts on application.
Animal Pokes—
owa Farming Tool Co.: \$\ doz. Hawkeye \$8.25
Western 8.75
Anti-Rattlers—
rernald, Wire
dem 60% steel Drive 40% Sobler's : \$ 9 \ \mathbf{gro.}
Invisible, No. 8
teel Drive 40% cohler's: 9gro. Invisible, No. 8 86.00 Perfect, No. 9 7.00 Bolt Holder, No. 1 9.00
Anvils—
merican "Horse-Shoe " 934c agle Anvile, @ b, net 774c68c lay Budden, Wrought 92694c eter Wright's 94ce10c renton 94ce10c
lay Budden, Wrought9@91/4c ester Wright's91/4@10c
ANVIL AND VISE COMBINED— fillers Falls (with drill), \$18.0020%
Augers and Bits-
Soring Machine
ors. Anger Bits
Double Spur pattern car, No. 3050% Nobles Double Spur No. 3050%
No. 10 Extension Lip
Car Bits, No. 10
com. Anger Bits
mell's Auger and Car Bits 60% wan's: Venning's Pettern Auger Bits
Jenning's Pattern Auger Bits, 50@50&10%
Jenning's Pattern Car
#5&10&214
ames
25@25&10%

URRENI.
Cincinnati Nos. 1, 2 and 8. 25&10% Douglass* 25&10% Bibbard's Adjustable. Net prices Ives. 25&10% Millers Falls, Goodell 15&74% Swan's. 20% Universal, each \$4.50. 20%
EXPANSIVE BITS— C. E. Jennings & Co
Common
BIT STOCK DBILLS— Cincinnati Tool Co., for wood, 40&10% for metal, 60% for metal, 60% Cleveland Wood Bits for Brace. 50&10% Detroit. 60% K. & F. 60&10% Morse. 50&10% Swan's, for wood. 40&10% Syracuse, for wood. 40%
TWIST DRILLS— Cleveland
SHIF AUGERS AND BITS— L'Hommedieu's
Awls
Awl and Tool Sets— Alken's Awls and Tools: No. 10, \$\pm\$ doz. \$7.50; No. 20, \$\pm\$ dos. \$10
Tool Handles
HATCHETS— Hunt's, Underhill's or Blood's 40&10s Peck's: Champion Blade
Axle Grease— Dixons' " Everlasting ": 1-b box
Balances— Chatillon's: Light, Class A

Balances, Sash-

Barn Door Hangers— See Hangers.
Barrel Drainers— National80s
Beef Shavers—
Enterprise: Japanned, each, \$7.50
Bells-
HAND— Extra Heavy Brase
Trip, Gem 40%
Alarm, Abbe's
cow— Common Wrought75%
COW- Common Wrought
Blackemiths'
Belting, Rubber-
Boston Belting Co.: "Boston"
N. J. Car Spring & Rubber Co.: Extra Para40&105
Reliable 50&105 Staple 60&105 Standard 70&105
Belting, Stitched Cotton— Sphinx Brand
Bench Stops—
Cincinnati
Miller's Falls
Bit Holders—
Angular
Bit Stock Drills— See Augers and Bits.
Blind Adjusters—
Domestic # doz. \$3.00
Blind Fastenings and Tenons
Austin & Eddy & gro. sets
Blind Hinges— See Hinges.
Blocks— Burr Mfg. Co.'s Steel
1

Barn Door Hangers-

52	11711(2)		
Rope Strapped, Japan'd Sheaves. 60&10%	Bush Hooks-	Carriage Makers' Clampe—	Coffee Mills— Box and Side
L. V. Sheaves	See Hooks.	See Clamps.	Enterprise Mfg. Co
	Butchers' Cleavers— Bradley's	Cartridges— See Ammunition.	Ideal Brand, New List60@60&10\$
Perfect Safety	Beatty's	Casters—	Coil Chain—
60&10&10@70% Bolts—	Foster Bros. Round Hds	Red	See Chain.
DOOR AND SHUTTER-	. & I. J. White	Martin's Petent (Phonix)40&10%	Compasses, Dividers, &c.— Athol Calipers and Dividers405
Cast Iron Barrel, Square, &c50&10% Cast Iron Chain50&10%	P. S. & W	Plate	Bemis & Call Co.'s: Compasses
Cast Iron Shutter Bolts	Butcher Knives-	Standard, Ball Bearing	Dividers 65s Compasses, Calipers, Dividers.
Wrought Square	See Knives.	Cattle Leaders—	Copeland's Extension
40&10&10@50&10%	Butchers' Saw Blades—	Humason, Beckley & Co.'s70&10% Sargent's	Stevens' "Ideal"
Wr't Sunk Flush, Sargent's list 50@50&10%	Millers Falls Co. Star15@15&10% C. E. Jennings & Co25&10%	Weltons	Starrett's Fay's Patent Spring Calipers and Div25&10
Wr't Sunk Flush, Stanley's list 45@45&10%	Butter and Cheese Triers-	Chain—	Wright's
Wr't B. K. Flush, Com'n, Stanley's list50&10@60% Wrought Spring, Sargent's75%	Ordinary Black Handle	American Halter Chain50@50&10% American Proof Coil, Cask lots.	Bradley's205
CARRIAGE, MACHINE, &C	Butt and Rabbet Gauges-	F. O. B. Pittsburgh. Inch.	Barton's
Bolt Ends	Stanley's25&10%	8-16	L. & I. J. White
Carriage, Common	Butts-	5-16 5.10 5-16 4.85 7-16 4.15	Shaves, Cincinnati Tool Co15@15&10s
Phila., Eagle, list June 1, '9980% Sleigh Shoe85%	BRASS— Cast Brass, Fast Joint40&10@50	14 4.10	Corkscrews— Detroit Cork-Screw Co
TIRE-	Cast Brass, Ice House	9-16	Detroit Cork-Screw Co
American Screw Co.: Bay State, Plain, list Dec. 28, '99.77145 Bay State, Finted	Wrought Brass, list Sept. '96.40@40&5% CAST IBON-	\$10 \$4 \$4 \$4 \$4 \$4,00 \$4 \$4,00	Samson \$\times \doz \\$10.00 Williamson's \$\tag{40z}
Bay State, Finted	Loose Joint, Japanned70@70&10%	An advance of 25c. \$ 100 to is added on orders of less than cask lots.	Corn and Fodder Compressor—
Common, list Dec. 28, '99	Loose Joint, Jap. with Acorns	Covert Mfg. Co., Breast Chain	J. B. Hughes', % dozen net\$8.00
Portchester. Norway80%	Loose Pin	Covert Mfg. Co., Halter Chain Covert Mfg. Co., Heel Chain 85%	Corn Hooks— ¥ dos
Plow	Mayer's Hinges	Covert Mfg. Co., Rein Chain Covert Mfg. Co., Stallion Chain Galvanized Pump Chain 444 to 444c German Cotl. list July 24, '97 60&10s	Kretsinger Cut-Rasy\$3.00 net
Stove, List Dec. 28, '99771/45 MISCELLANEOUS —	Fast Joint, Broad	(Jorman Haiter Chaill, libe duly 42, 4	Corn Knives and Cutters—
Sink	WHOUGHT STEEL— List April 1, 1895.	100k Chain Tron	Bradley'snet Wadsworth'snet
Bone Mills.	Bronzed Inside Blind Butts 60&10% Bronzed Narrow	Jack Chain, Brass 60&60&10% Oneida:	Countersinks—
Btearns40% Borers, Bung.	Fast Joint, Narrow	Niagara	Mayhew's Diamond 40% Smith's
Enterprise	Loose Pin	Trace, Wagon and Fancy Chains, New List50&10@50&10&5%	8nell's
Nos 1 2 8 C. E. Jennings & Co.:	Table Butts, Back Flaps, etc. 60%	COW TIES-	Crayons—
No. 6	Calipers— Bemis & Call:	American	Sargent's List 20% Dixons: \$ gro. Eclipse \$3 75 Emerald 5.06 5.00 5.00
Borers, Tap-	Bemis & Call: Wing	Covert Mfg. Co.:	Eclipse
Common Ring	Inside and Outside	Hemp	Oriole
Ives	Call's Pattern, Inside55%	Sisal	Solid
WITHOUT AUGERS-	Can Openers—	Chain Guards— Aluminum S. & N. Co50	Curry Combs—
Upright. Angular. Douglass'\$2.50 \$3.00 Jennings'2.75 8.25	American	Chain Hoists—	Fitch's Listnet prices Kohler's
Millers Falls 7.50 20% Snell's, Rice's Pat. 2.50 2.75	NO. O. ITOU DAUMS W KILDER, SO O. C	Moore's "Anti-Friction" 30%	New York Stamping Co. List, Sept.
Bow Pins-	Sardine Scissors	Moore's "Direct"50%	Rubber, # doz. \$7.5020&10
Hotchkiss	Spragne, No. 1, \$2.00; No. 2, \$2.25;	Cherry Stoners— Enterprise25@80%	Southington Cutlery Co.'s 25&10
Boxes, Mail. Heller's	No. 8, \$2.50	Family net # doz. \$4.00	Cycle Hangers— Lane's881/4.6-5
Box Strapping— Cary's "Universal," in case lots, 20&10@80&10&10x	Carpet Stretchers—	Chisel and File Handles—	Diggers—
20&10@20&10&10x Braces—	Montross' "Excelsior," # doz., \$6.00	See Handles.	See Post Hole, etc.
Barbers' Ratchet	Bullard's88145	Chisels—	Dividers—
Common Ball American60@60&10%	Socket	BOCKET FRAMING AND FIRMER—	See Compasses, Dividers, etc.
Barbers'	Carpet Sweepers—	Ohio Tool Co	Dog Collars—
New Haven Novelty	000 Oneon'' \$97.00	G-man	Chapman Mig. Co.'s New List:
Spofford	QOIT	Jennings & Grillia mig. Co	Pone & Stevens:
No. 108@11414	Bissell's "Cyco" Bearing "Ideal" 25.00 Bissell's "Cyco" Bearing Gold Medal" 24.00	I ANGED AND MESODEMENTO	Brass
Peck's (P. S. & W. Co.)60@60&109	mier" 24.00	C. E. Jennings & Co	Union Hardware Co. New List
Gen. Spotford's,50&10@609	Bissell's "Cyco" Bearing "Prize" 24.00		Door Rolts-
Brackets— Door Screen	Come "	· COLD CHISELS—	See Bolts, Door.
Shelf, Bradley's Patent	perior"	Good quality, * b	,
Shelf, Fancy, Sargent's list40&10 @50&5	Bissell's "Cyco" Bearing "Frize" 24.00	Cleaners, Sidewalk— V dos	Columbia50&10
Window Screen Corner60&10 Reading, Plain60	Rapids," nickel trimmed 24,00 Bissell's "Standard" ianan	Challenge Shank\$8.2	Eclipse
Reading, Rosette	trimmed	Star Shank	0 Norton's
Millers Falls Co25	Blesell's "Crown Jewel," Japan	Clippers—	Door Holders—
Bracket Sets— Millers Falls Co	telmmod 14 (#)	HORSE—	Empire
Box Hooks, Openers and Scrap	trimmed 21.00 Biesell's "Cyco" Bearing "Crys-	Chicago Flexible Shaft Co.'s: Chicago Beli Clipping Machine,	Door Springs— it Gem (Coil), list Oct. '95
ers— Humason & Beckley's60&60&10			
Bright Wire Goods—	Bissell's "Cyco" Bearing "Grand" 36.00 Bissell's "Cyco" Bearing "Club" 54.00 Bissell's "Cyco" Bearing "Hall" 60.00 Subject to quantity rebates as follows	Toller	Torrev's Rod, 45 in., wgro
Standard. New list80	y doz a renate of bu centa per doz.	III WOOD THE	E
Bull Rings— Humason, Beckley & Co.'s80	5 doz. a rebate of \$1.00 per doz.	Monitor	Drain Cleaners—
Peck, Stow & Wilcox Co.'s		Orr ha	Iwan's Stationary
Seymour Smith & Sons60		Norway Axle	Drawer Pulls—
Bull Punches— Humason & Beckley's		Superior Axle Clips	Sargent's List
-			



Drawing Knives-	Disston's Superfine	Glue Pots-	Hay Hooks—
Adjustable Handle	Great Western	Enameled	Humason & Beckley 60&10
Douglass	Kearney & Foot	_	Hay Backs—
Jennings & Griffin	Nicholson	Graters— Enterprise	Baxter Wrought Iron, No. 1, \$1.00, uet; No. 2, \$1.50, net.
Obio Tool Co	Royal		Hay Tools—
Witherby	Second Quality Files80&10%	Griddles— Cronk's70%	F. E. Myers & BroNet prices
Watrous	Stube Stubs' list, 30@831/46	Grindstone Fixtures—	Hay and Straw Knives-
Drills and Drill Stocks-	Filters-	P., 8. & W. Co	Auburn Hay, Com. and Spear Point .50 Iwan's Hay, Sickle Edge, \$ doz. net \$1
Automatic Boring Tools50% Bench, Manneers66%	Acora	Sargent's Patent	lwan's hay, imp. Serrated w doz.
Bench, Manneers	Subject to trade discount.		net\$10.5 Auburn Straw40
Breast, Goodell'a25@30%	Fish Hooks-	Gunpowder— See Ammunition.	Lightning, from jobbers60&5 Wadsworth's40
Breast, Millers Falls, each \$8.00.15&10% Clamp	Amer. Fish Hook Co. list60@60&10% Kirby & Limerick, low list (50c base).10%		
Ratchet, Billings' Double Acting 831/45 Ratchet, Ingersoll's	Fish Scalers—	Gun Wads— See Ammunition.	Hinges—
Ratchet, Merrill's20@20&5% Ratchet, Moore's Triple Act25@30%	Covert's Saddlery Works:		WROUGHT IRON HINGES-
Ratchet, Fletcher's	Great American 60&90% Fitch's net prices	Hafts— Britton's	Screw Hook 14 to 90 in 20 % 8
Ratchet, Whitney's	Fluting Scissors—		Screw Hook and Strap, 14 to 20 in., \$ 5, 30 to 86 i
Atearns' Ranch SM	List	Halters Covert Mfg. Co:	STRAP AND T HINGES.
Upright, B. & P	Forges-	Jute Rope Halters	New List, March 15, 1901.
Whitney's Hand Drill, No. 1, \$10.00; Adjustable No. 10, \$12.0038145	Boynton & Plummers60%	Sisal Rope	Light Strap
TO HOUR & DITTE STOCKS	Forks-	Halter Chain—	Light T
TWIST DRILLS— See Augers and Bits.	Steel Goods Association List, Sept. 1, 1900.	See Chain.	Light T
BLACKSWITHS'	Barn or Ice Forks	Hammers-	Long Chest
Coe's 60%	Beet Forks 40&5%	HANDLED HAWWERS-	Long Chest
Drug Mills—	Coal Forks	Humason & Beckley	Corrugated Extra Heavy T75%
National Specialty Mfg. Co30%	Hay Forks, Four Tine, Standard Size	\$1.50&\$1.75. 40&10% H. & B., Tack. 50&10% Maydole's 831&\$2.40&10% Peck, Stow & Wilcox 50@50&10% A. E. Nail 40&10%	Bommer's Brothers.
Enterprise Mfg. Co	Hay Header and Barley Forks, Four	Maydole's	Bommer Spring Hinges40 Bommer B. B. Floor Hinges40
Easy Lawn Swings- ¥ doz.	Tine	Peck, Stow & Wilcox50@50&10%	Bardsley's Patent Checking
Ulrich Mfg. Co	Manure Forks, Five and Six Tine703	Engineers and D. S. Hand	CATP HINGPS
Egg Beaters— Keystone	Grain or Barley Forks70&10&23/48 Heavy Mill, Manure or Street Forks.75%	Sargent's New List	Clark's, Nos. 1, 2, 8
Spiral \$4.25@\$4.50 Standard Co. Net prices. Taplin Mfg. Co. Net prices.	Oyster Forks	Plumb, A. E. Nall . 831/6&5@381/6&10% Engineers' and B. S. Hand,	N. E., Reversible, # doz. \$5.6060
Taplin Mfg. CoNet prices.	Potato Scoop Forks50% Shaving Forks40&5%	50&10&5@50&10 &1 0 x	N. Y. State, \$2 doz. \$4.90
Emery—	Sluice Forks	Machinists' Hammers 50&5@5@810% Riveting and Tinners' 40&5@40&10%	Western, # doz. \$4.2060
Genuine Turkish Walpole Mills,	Socket Manure Forks, Four Tine70%	HEAVY HAMMERS AND SLEDGES-	Clark's:
No. 6 to 46, \$ b 10c \ No. 54 to 150, \$ b 10c \ 20%	Socket Spading Forks, Four Tine, 70&5&5&2145. Spading Forks	Under 8 b	Lull & Porter, Nos. 0, 1, 114, 2, 214,
Flour, # b 8c)	Spading Forks	Over 5 15	Mowise Crevity Mi
Enameline—	Tanner's Forks40650%	Hammock Ropes—	Nos. 1, 8, 5
No. 6	Hay Forks, Three Tine, Standard	Covert Mfg. Co.:	Sargent's, Nos. 1, 8, 5, 11, 1870&10, W. H. Co.'s No. 2 Mortise Gravity60;
Escutcheons—	Size 66344 Hay Header and Baler Forks, Three Tine 67146224 Hay Forks, Two Tine, Standard	Jute	Stanley's Steel Gravity Hillia Hinges.
₩ood25≰	Hay Forks, Two Tine, Standard	Hand Cultivators	with Screws, \$1.30 % doz. sets. 30&10
Expansive Bits-	Size65%	Ulrich Mfg. Co.:	Hitching Cords—
See Augers and Bits.	Fruit, Wine and Jelly Presses. Enterprise	Osborne's # doz., \$15.00	Covert Mfg. Co
Farriers' Knives— \$ doz- "Challenge"\$8.00	Fry Pans -	Handles—	Hoes-
Popes 8.00	Acme Fry Pans	woon— Auger, assorted	Steel Goods Association List, Sept. 1 1900.
Wikinson's \$8.00 net Wostenholm's \$8.25	Burnished, regular goods75@75&10\$	Auger, large Pgr. 8.00@8.25 Auger, Douglass' Pat., Pset, No. 1,	Asphalt Hoes
Faucets—	Standard List	\$1.0; No. 2, \$1.40.60&10\$	Cotton Chopper Hoes75&10&73
Brass Globe Cocks65@65&5%	9 doz. \$8.00 \$8.75 \$4.25 \$4.75 \$5.25 No	\$1.0 ; No. 2, \$1.40.60&10\$ Auger, Ives' Pat., No. 1	Cotton Chopper Hoes75&10&774 Garden Hoes
Brass Racking	4 dos20.00 21.00 28.00 28.00	No. 2 to 8214	Jersey Hoes
Compression Bibbs with flange 65&10@70s	Fuse \$\pi 1000 ft.	\$1.00; No. 4, \$1.20	Laides' Cotton Hoes
Lever Handle Ribbs, Gr. Kv.	Hemp Fuse	Chisel, Worcester, Leather Cap'd ## doz net 1.50	
Rgh	Single Taped Fuse 8.25 \ 5@10%	File, assorted \$ gr. \$1.12@1.25 Firmer Chisel, Apple, assorted, \$ gr.	Morter and Street Hoes75&716&2
Red Cedar	Double Taped Fuse 4.20 Triple Taped Fuse 5.00	\$2,25@2.75	Planter Hoes, Regular Pattern70&30; Rough Finish Shank Cotton Hoes
Frary's Iron Petroleum65@55&5% John Sommer's "Peerless," Tin	Gate Hinges-	Hammer, Hatchet, Axe, Sledge, etc., 50&10@60\$	75&1234
Key	See Hinges.	Hoe, Rake and Fork60@60&10% "Simplicity" File Handles, % gr.	Special Hoes
John Sommer's "Victor," Metal	Gauges—	\$.90@1.50	Sunhem Meadow Hoes75&5&294
John Sommer's 'Dunley," Metal	Bemis & Call's Steel	Saw and Plane	Sunhem Meadow Hoes
Key	Boss, Screw Pitch	50@50&5%	Warren Hoes609
Key	Marking, Mortise, etc 55&10@55& 10&10%	OROSS-CUT SAW HANDLES—Atkins	Weeding Hoes and Rakes759
John Sommer's "Rochester," Metai Key	Stanley's 60&10¢	Champion	Hollow Augers— See Augers and Bits.
John Sommer's "Rival," Metal Key.50% John Sommer's "Crescent," Metal	Stanley's Chisel	Hangers-	Hollow Ware—
Key	Scratch	Barn Door, old pattern 60&10%	RNAMELED-
John Sommer's "Eclipse," Lock .40&10	52.00 net.	Barn Door, New England 66% @70% Cronk's Roller Bearing 60&10&5%	Agate Nickel Steel Ware, list July,
John Sommer's "Eclipse," Lock.40&10s John Sommer's "Union," Lock 50s John Sommer's "I. X. L.," Cork	Stubs' Wire and Drill	Cronk's Steel, cov'd, Loose Axle, 60&5≴ Lane's Barn Door:	Granite Ware, list Jan. 1, 1894, revised
Lined	Wire, P. S. & W., low list10&10% Wire, Wheeler, Madden & Co10%	Barn Door, Standard60&10≤	Jan. 2, 1895
Lined	Gimlets—	Covered	Second Quality, Granite, 70&10@70&10&10%
Lined	"Diamond" Gimlets, # gr\$4.00@\$4.25	Lane's Parlor:	Iron Clad: Peppered Ware, high list709
John Sommer's "O. K.," Cork	Double Cut	Ball Bearing 4.00 New Model 2.75 New Champion 2.40	Mottled Ware, high list
John Sommer's "Chicago," Cork	Wood Head	New Champion 2.75	Never Break Enameled50&5@50&10%
John Sommer's "O. K.," Cork Lined		McKinney's "None Better," No. 2, \$18.00; No. 1 Special, \$15.00, \$	Ground60&109
John Sommer's "No Brand," Cedar. 50&10s	Gimlet Bits— See Augers and Bits.	dozen pairs60&10%	Unground705
Star60@60&5%	Glass Cutters—	Myers' Stay-on	Boilers and Saucepans50@50&10g
Enterprise \$ doz. \$86.00	"Woodward"net prices "Red Devil"net prices	Harness Snaps—	Maslin Kettles
Lane's \$\pi \text{doz. \$86.00 \dots 40&5@40&10\$\text{\lambda}\$ National Specialty Mfg. Co83\\(\frac{1}{2}\)\(\frac{1}{2}\)		See Snaps.	50@50&10# 8ILVEB-PLATED—
Files—	Globe and Racking Cocks— See Faucets.	Hasps and Staples-	4 mo, or 5% cash in 80 days.
.DOMESTIO-	Glue—	McKinney's "Perfect," \$1.10 \$ doz.50\$	Hartford Silver-Plate Co40&55 Holmes & Edwards Silver Co.40&15&55
New List, Nov. 1, 1899. American	Dodd's Liquid Glue25&25&10%	Wrought85@85&10% Wrought, Stanley80%	Meriden Britannia Co40&59 Reed & Barton40&59
Arcade	Le Pages Liquid25 & 25 & 10% Mystic	Hatchets-	Rogers & Brother
Disatom's Mr Ake	36-41-4		



			Nalle-
Hooks— AGRICULTURAL—	Kettles— Spun Brass, Plain20@20&55	Lines— Cotton and Linen Fish, Draper's50%	WIRE AND OUT NAILS-
Potato, all kinds	Spun Brass, plated inside with White Metal	Cotton Chalk, 20 feet	See Review of the Markets for quotations. Wire Nails and Brads, Papered, Ass'n
Iowa F. T. Co.'s Clam60&10&2145	Knives-	Colored Cotton	list, July, 1899
Jennings & Griffin's88% &5% conn—	Ames': Bread Knives, # doz \$1.5020%	No. 0 to 5	Brass Head, Combination list 50% Brass Head, Sargent's list 70@70&5%
Kretzinger Cut-Ezy & doz. \$8 net	Butcher Knives	No. 1. \$6.50: No. 2. \$7.00: No. 8.	Niles' Patent
Bird Cage, Sargent's list60&10&10% Bird Cage, Reading60&10% Bird Cage, Williamson50%	Cronk's Chopping	\$7.50 % gross	PURNITURE—
Chandelier 70%	Goodell's: Bread Knives Ass'n listnet Butchernet	White or Drab Cot. \$\forall aoz. \$7.50 \therefore 20\forall Wire Clothes, 100 feet, No. 18, \$2.25; No. 19, \$2.00; No. 20, \$1.75.	China
Clothes Line, Sargent's list	Shoe Knives	Loaded Shells—	Plain406
Harness, Sarkent a mer oodoog ton	Hay and Straw, see Hay Knives. Table and Pocket, see Cutlery. Wilson's Butcher Knivesnet	See Ammunition.	Nail Pullers— Ajax, 5 bs
Lamp	Knives, Hay and Straw-	DOOR LOCKS, LATCHES, &C. Champion Night Latches	Black Hawk, # doz
Wardrobe	See Hay Knives.	Lockwood Mfg. Co	Cyclops
Cotton Pat. (N. Y. Mallet & Handle	Knobs—	R. & E. Mfg. Co	Giant, No. 1, \$\pi \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Works)	Bardsley's Wood Door, Shutter and Base. 10@155 Base, Rubber Tip, 21/2 in. Bead, \$\varphi\$ gr. \$1.25@1.50	Sargent & Co	
# doz	Carriage Jan	CORDINET— Eagle Lock Co	Scranton Improved, in Case Cols.
Dee Atoright Goods.	Door Mineral	Yale	** No. 8 B
MEAT— Enterprise	Door Por. Nickel \$2.0\\d2.25 Picture, Judd's 50&10\\ Picture, Sargent's 60&10\\	Acme Bicycle and Satchel, \$\ doz., \$9.0040%	" No. 2
wire— Atlas Coat and Hat45%	Yale & Towne Woodnet	Ames Sword Co	" No. 2 D
Belt	Lard and Cheese Press— The B-B Mig. Co.:	Brown's Chain 25% Champion 40% Eagle 40%	Buck Bros
Wire Coat and Hat, Acme 50&10@50 &10&5% Wire Coat and Hat, Gem 50&10@50	2-quart	Scandinavian	Cannon's Diam'd Point, \$ gro. \$12, 255 Humason's
Wire Coiling, Gem50&10@50&10&5%	Latches—	Smith & Egge Bicycle	Hunters' Cup Point, Knurled Hunters' Cup Point, Plain 9.00
Wire Coat and Hat, Standard45% MISCELLANEOUS—	% doz. Cronk's Barn Door Net, \$2.25	TRUNK—	Octagon
Covert Mfg. Co.: Safety Gate and Scuttle Hooks85% Grass No. 2, \$1.65; 8, \$1.80; 4, \$2.00	Lane's Barn Door40@40&10%	Corbin's	Snell's: \$4.75 Octagon
Hooks and Eyes—Brass60&10% Hooks and Eyes—Mal. Iron70@70&10%	Lathe Disc Sharpener— The B-B Mig. Co.:	Machine Bolts— See Bolts.	Knurled 9.00
Cotton, Box and Hay60@60&10% Horse Clippers—	# doz., net	Mail Boxes-	Nippers-
See Clippers.	Champion	See Boxes, Mail.	Smith's Cutting
Horse Nails— Nos. 6 7 8 9 10	Continental	Mallets— Sargent's List:	Nut Crackers— \$ gro.
A. C25c 28c 29c 21c 21c40&5% American, all sizes1014c net	Genuine Philadelphia Mowers: Styles M., S., C., K., T	Hickory	Acme, Japanned
Nos. 6 7 8 9 10 Ausable 28c 26c 25c 24c 28c 50&10% C. B. K 25c 28c 22c 21c 21c 40%	Of the man tright of mock	Mattocks— Cronk's Garden25g	Turner & Seymour Mfg. Co50s Nuts— Off list-
Champlain28c 26c 25c 24c 28c	Gold Coins, low list	Regular Goods60&10%	Hot pressed, square, blank\$5.10
40@40&10% Clinton Fin .19c 17c 16c 15c 14c 30&5%	Great American	Meat Cutters—	Hot pressed, square, tapped 5.80
Essex 28c, 26c 25c 24c 23c 40&10@50% Lyra, all sizes 9½c net	New Departure, Low Wheel75% Pastime:	American	Cold punched, plain, square, blank 4.80 Cold punched, hexagon, square, blank
Mand S 25c 23c 22c 21c 21c 50% Neponset, Nos. 5 to 10, % lb 12c.	12 in. 14 in. 16 in. \$6.00 \$6.25 \$6.50 each not Pennsylvania	Nos 1 2 4 4 217 219 230	tapped 4.60
Northwestern 25c 23c 22c 21c 20c 25@25&5% Putnam 23c 21c 20c 19c 18c 88\%	Lawn Sprinklers—	Enterprise	Cold punched, plain, hexagon, tapped 4.80
Vulcan 28c 21c 20c 19c 18c.25&10s	Philadelphia Lawn Mower Co.:	Hales Pattern, \$\frac{1}{2} 30.50. 30. 30. 30. 30. 30. 30. 30. 30. 30. 3	Oilers—
Horse Shoes— Horse and Mule, Iron, per keg\$3.60	Philadelphia Lawn Sprinkler: No. 1. No. 2. No. 8. \$ doz. \$12.00 \$15.00 \$24.0080\$	\$27 \$88 \$45 Home No. 1. 39 doz. \$38 60%	Brass and Copper
Steel, per keg		Nos 305 810 812 820 822 835 \$48 \$44 \$72 \$68	Perfect Oilers 1.50
Horse Ties-	Covert Mfg. Co. Cattle45%	Miles' Challenge, # doz45@45&10%	Star Pocket Oilers
Covert Mfg. Co.: Cotton	Lead Pipe, Etc. # 75 Lead Pipe, full lengths	Woodruff's, \$6 doz	Wilmot & Hobbs Mfg. Co.'s Steel
Jute85% Sisal90%	Lead Pipe, cut lengths	\$15 \$18	Anti Rust
Hose, Rubber—	Lead Pipe, Tin Lined	& GOE. 200.00	Oil Stones, etc.— oil stones—
Boston Belting Co.: "Boston"	Sheet Lead, out rolls8c Quantity discount, 20%	Meat Juice Extractors— Enterprise	Pike's Washita: Lily White, # D
Competition	Regger Bros 20 doz 8-in \$1.00: 10-in	Metals, Anti-Friction-	Pike's Washita Mounted No. 1: \$ doz. 8x2\$13.00
Extra Para	\$1.4020± Dean's, Nos. 1, \$2 doz. \$6.50; 2, \$8.85;	Magnolia Anti-Friction 25c	7x2 11.00 6x3 10.00 6x2 9.00
Staple	8, \$1.65; Queen, \$2.50, net Hotchkiss, Straight Flush, \$ doz. \$9.60 Jennings' Star \$ doz. \$1.90@2.00	No Name	4x114 7.00 814x1 5.50
Ice Awls, Chippers, &c.— Copeland Ice Pick gr. \$9.00 ne	Little Giant	f. o. b. New York or Chicago. Melting Ladles—	Discount, 33/46210%. Pike's Washita Axe Stones:
Crownnei	Porc. Lined, Wood \$6.00 80&10@40		About 2x2x3/4 to 1/6, \$\tilde{0}\$ b\$.94 About 2x3x1/4, extra selected40 Discount, 83/4%.
Sargent's Ice Awis 55/ Snell's 50/ Star ne	No. 1, \$6.50; No. 2, \$10.00,	Reading	Dealing Steem
Ice Cream Freezers	Letter Box Plates— Name Door Plate50@50&109	Warner's	Packing, Steam— RUBBER— Boston Belting Co.:
See Freezers, Ice Cream.	Name Plate	C. E. Jennings & Co408	"Excelsior" Plumbago, Pure,
Ice Shredders— Enterprise, No. 38. 9 doz. \$6.00 25@30	Sargent's	Mop Wringers-	b \$1.00
No. 84. 9 doz. 15.0025@80 Jack Chain—	C. E. Jennings & Co.'s: Hexagon	Matchless (Canton, O.), \$ doz\$12.00	
See Chain.	Iron Bench, new design 25&10	Motors—	Italian Packing 1014c@19c
Jack Screws— See Screws.	See Transom Lifters.	COFFEE WILL— Specialty Novelty Coeach \$5.00	Jute
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Padlocks— See Locks, Parers—	Polish, Stove— Dixon's Plumbago	No. 240, Fig. 406, Regulator Pump	Jute Rope:
APPLE—	Gem	No. 267, Fig. 488, Geyser Tank Force Pump	7-16 in. and larger
Eureka. 1898 each 16.00 Family Bay State 12.00 Improved Bay State \$27@30.00 Little Star 4.00 New Lightning 5.50	112 qt	No. 320, Fig. 492, Bucket Spray Pump 5.00 No. 380, Fig. 547, Knapeack Spray Pump 10.00 Discount, 50% f. o. b. Ashland.	Sisai: 7-16 in. and larger. 944c 34 in 944c 14 and 5-16 in 1044c Rules— Athol, Steel 38345
Penn 8.75 Perfection 4.00 Reading, 78 4.00 Reading, 78 7.00 Scott's Pat. Rotary \$15.00, 20% Turntable, 1898 5.50	Disston's Samson Digger \$34.00, 255 Iwan's Split Handle, \$\pi\$ doz. net \$8.50 Iwan's Perfection, \$\pi\$ doz. net \$9.00 Ryan's \$\pi\$ doz. \$20.00, 255	Punches— Bemis & Call Co.'s: 50&5% Cast Steel Drive	Athol, Steel
White Mountain 4.00 POTATO— \$\psi \text{dos.} Saratoga \$5.50 White Mountain 4.50	Post Hole Augers— Iwan's Patent Improved	Springfield Socket	Starrett's Rules and Straight Edges, Steel
Pencils Dixon's: \$ gro. Carpenter's	Hoe Down Hooks	Spring, good quality, \$\vartheta doz., \$1.70\vartheta 1.80 Spring, Leach's Pat	Chinese Laundry \$ b 5@514c Chinese Sad \$34@34c Common 4 to 10. \$ b 34@34c COLD HANDLED— Enterprise Mfg. Co. of Pa 80&5%
Lumber 6.87 Mascot, Hexagon 8.78 Mascot, Round 8.10	See Ammunition. Presses— See Fruit and Jelly Presses.	Barl Door, Light, In. 14 56 24	Safety Fuse— See Fuse. Safety Lifts— Burr Mfg. Co., Steel
Percussion Caps— See Ammunition	Primers—	Barn Door, "None Better" No. 1, \$\(\phi\) foot	Sand and Emery Paper and Cloth-
Picks and Mattocks List Feb. 28, 1899.	See Ammunition. Pruning Hooks and Shears—	B. D. for N. E. Hangers: Angular, # foot, 6c	Baeder, Adamson & Co.'s: List. Emery Cloth
Railroad or Adze Eye60, 10&5@70%	Cronk's Pruning Shears881/6% Cronk's Heavy Pattern, @ doz., \$2.50 net	Carrier Steel Rail, \$\foot4\fc Cronk's: \$\foot. O N T Style No. 18	Garnet Paper
Planes and Plane Irons— wood Planes— Bailey's (Stanley R. & L. Co.)	Disston's Combined Pruning Hook and Saw \$ doz., \$18.00, 25@25&10% Disston's Pruning Hook, \$\psi\$ doz.,	Double Braced	Sash Balances— Caldwell Mfg. Co
Bench, First Quality 45@45&10% Bench, Second Quality 50@50&10% C. E. Jennings & Co 50&10% Molding 40&5%	### \$12.00, 23@25&10% Henry's: Pruning Shears	O. N. T., 1 in	Sash Chain
IRON PLANES— Chaplin's Iron Planes	Tree Pruners	Sliding Door, Steel, Brass Plated, \$\pi\$ foot .5\pm 6\$ Sliding Door, Wrought Brass, 1\pm 10\pm 10\pm 20\pm 6\$ Sliding Door, Wrought Brass, 1\pm 10\pm 20\pm 10\pm 10\pm 20\pm 10\pm	Steel
8tandard Tool Co	tion	Rakes, Etc.— Cronk's: Wrought Steel Garden	Cable Laid Russia
Auburn "Thistle"	Brass Screw 45&10% Celling 50@10&60% Clothes Line, Japanned 60% Common Sense 60%	Steel Garden Rakes	"Mass." White, Cotton2214@24c "Samson" Braided White, Cotton \$\pi\$ \$\text{83}\text{4}@80c "Samson" Braided Drab, Cotton \$\pi\$ \$\text{83}\text{4}\text{2}\text{8}\text{5}\text{c}
Butcher's\$5.00@5.25 to \$ C. E. Jennings & Co	Dumb Waiter	Turf Edger	"Samson" Braided Italian Hemp # 15 82 14 @ 855c "Samson" Braided Linen # 15 50 @ 55c
L. & I. J. White	No. 9, 1¼-inch wheel, \$\vartheta\ doz20c No. 10, 2-inch wheel, \$\vartheta\ doz25c Extra for plated finish, \$\vartheta\ doz20c	Level Head Shank70&5&2% Rasps, Horse—	Silver Lake: A Quality, Drab
Button's	Extra for antique bronze bushing, † dos	Disston's	B Quality, White
Button Pattern 70% Fencing Pilers, \$\sqrt{9}\ doz. \$12.00. 25% Flat and Round Nose. 40% Gas Pilers, No. 100. 40% Stubb's Pat. Pilers 50%	Hay Fork, Hartz, 414-inch, \$\pi\$ doz., \$6.00	Razors— List net "John Engstrom" net prices Fox	White Cotton, Hard Braided. \$ 18c Sash Fasteners, Holders, &c. Sash Lifts
Wire Cutter and Bender	Stowell's Anti-Friction, 6-in. Wheel, \$\text{doz.}, \$12.00	J. R. Torrey Razor Co	Sash Lifts Flush
8mith's Side Cutting	Upright	Registers and Ventilators— HOT AIR— New List, Sept. 2, 1901: Black Japanned60&10&5@70%	Shutter Sheaves
Plow Bolts— See Bolts.	Pitcher Spout, Best Grades .70&10@75\$ Power Pumps, Myers'	White Japanned 60&10&5@70% Bronzed Finishes 60&10&5@70% Electro-Plated; 60&10&5@70% Nickel Plated 60&10&5@70%	Champion Meeting Rail 70% Champion Side 60% Davis, Bronze, Barnes Mfg. Co 50% Elting's Ventilating 40%
Plumbs and Levels— Cook's 40&10&10	No. 1, Fig. 828, 8 in. Shallow Well Pump\$18.00 No. 8, Fig. 828, 814 in. Shallow	White Porcelain	Fitch's: 70%. Iron
Davis': Inclinometers	Well Pump	Rings— See Bull and Hog Rings.	Gale's Automatic, List Nov., 189765% Ives' Patent: Wrought Steel
Disston's 70%	No. 614, Fig. 307, 814 in. Deep Weil Pump	Rivets and Burrs— Belt with Burrs	Bronze M. Knob 60% Wrought Bronze and Brass 55&5% Cast Iron 65% Cast Bronze and Brass 6234% Payson's Perfect
Wood's Extension Sight 25@25&10% Poachers—	Pump	List, Nov. 1, 1894. Ordinary, in bulk	Reading
See Egg Poschers. Police Goods—	No. 50, Fig. 332, 314 in. Shallow Well Pump	Thousand in papers	Small lots
Tower & Lyon's	No. 72, Fig. 838, 8 in. Deep Well Pump	Hame	Sausage Stuffers or Fillers- Draw Cut, No. 4each \$30.00, 20% Enterprise Mfg. Co
Prestoline Liquid, New List	No. 102, Fig. 448, 8 inch Lift Pump	Rivet Sets— Regular List	Saws— Atkins: Band 7 to 14 in. Wide
₩ gross 4.50 ¼-lb, boxes, ₩ dos 1.95 1 lb, boxes, ₩ dos 2.95 U. S. Liquid, 8-ox cans, ₩ doz 1.95	No. 128, Fig. 510, 8 in. Lift Pump	Lane's, Stay83}45 Rope—	Band 2 to 6 i n. Wide
❤ gross 12.00 Barkeeper's Friend Metal Pollsh, 1.75 ❤ gross 18,00	No. 225, Fig. 889, Windmill Pump. 12.50 No. 225, Fig. 408, Windmill Pump. 16 00	Cotton Rope, Best, # B. 14 inch and larger 1814@14c Medium, 14 in. and larger 11@1114c Common, 14 in. and larger 9@ 914c	Cross Cut



56	•	HARDV	VARE	
Disston's:	Solid and Inscrind Tooth Mr	Screw Drivers-	Stowell's Anti-Friction	Springs-
Rand 8 in	Solid and Inserted Tooth 50% to 14 in. Wide	Brace Screw Drivers	R. & E., list August 15, 1895.	See Door Springs.
Cross Cu	n. to 214 in	Screw-Driver Bits	Russell's Anti-Friction, list Decem-	Spring Balances
Mulay, M	Cross Cuts	Disston s Flat Blade, Electric, Tele-	ber 18, 1885	See Balances.
Wood Sa	w ood Saws	Electric Spiral No. 01 . # doz. \$6.00 net Electric Spiral No. 02 . # doz. 5.00 net	Reading list	Spring Hinges-
as from W	w Roda	Edirich's Bocket and Ratchet40&10%	Sargent's list70%	See Hinges.
D8, 190,	ws, Nos. 12, 99, 9, 16, D100, , 76, 77, 8	Fray's Hol. Hdle. Sets, No. 8\$12, 50% Howard-Allard \$\frac{\Delta}{A2} \pi \doz., \$9.00 net A2 \pi \doz., 8.00 net	Shells—	Squares—
0. 00. C	ombination	C. E. Jennings & Co. 40&10% Jennings & Griffin	See Ammunition.	Disston's Try Square and T Bevela,
tail, &	, Keyhole, Pruning, Dove- c255 Saws and Blades855	Jones Reversible Spiral No. 1, W doz.	Shot-	Starrett's Micrometer Caliper Squares,
Haines' Ne	edle Point40%	\$18.50 net; No. 2 % doz\$12.00 Sargent & Co.'s:	See Ammunition.	Try Square and T Bevel60&10
Butcher .	ings & Co.'s:	No. 1 Forg. Blade50&10@50&10&5% Nos. 20 and 4066%	Shovels and Spades— Association List40%	Winterhottom's Try and Mitre 40&105
Hand Pa	nnel, Rip and other Saws 25@80%	Screw-Driver Bits (Snell's) \$\psi\$ dos60c Stanley R. & L. Co.'s:		Nickel-Plated. New List Jan. 5, 1900,
Peace: Cross Cu	1t845&10x	No. 64. Varnished Handles60&10%	Shutter Bars— Ives'	Steel and Iron70@70&10\$
Hand Pa Richardson	nts	No. 86	Shutter Bolts—	Staples—
Circular	and Mill50@50&10%	Champion 40%	See Bolts, Shutter.	Barbed Blind—14, 5%, and 54 inch. 8 b
Hand Say	wa25&10%	Magazine	Sifters, Flour—	Same price as Barb Wire. See Trade
Woodrough	h & McParlin Cross Cuts	Balsley's Patent	Hunter's Genuine gross, \$10@\$11.50	Report.
HACE	45&10% K SAWS AND FRANKS—	Beauty, % doz	Skate Sharpeners-	Stay Rollers-
Chatillon Disston's:	80%	C. T. Williamson Wire Novelty Co40%	Eureka \$ doz. \$1.75; \$ gro. \$18.00	Cronk's, No. 50
Concave	Blades	Screws—	Slaw and Kraut Cutters-	WO. 60
chine :	e, Flexible Back and Ma- Blades80%	WOOD SCREWS— List, January 1, 1900.	Disatonias	" No. 65
Griffin's:	w Frames,80%	Drive Screws, Diamond Point.8714@90% Iron, Bright Flat Head8714@90%	Slaw, Vegetable, Cern Grater, Tur- nip Shredder40%	Steels—
Complete	e40@45% ides4%	Iron, Bright Flat Head	Slaw, Vegetable, Corn Grater, Tur- nip Shredder	Chattilon's
Star, Saws	des	Brass, Flat Head	Enterprise Mfg. Co. 25@30%	Stock Fountains.
Saw Fi		Bronze, Flat Head	Tucker & Dorsey: 1 Knife	The B-B Mfg. Co.: "Dewey," # doz., net\$13
	D3 Clamp and Guide, \$80.00	Bronze, Round Head 721/26771/48 Nickel Plated, Iron Flat Head 75/280%	2 Knives	Stocks and Dies.
Saw Fr	rames—	Nickel Plated, Iron Round Head .75@80%	Kraut Cutters 50% Woodrough & McParlin 40%	BICYCLE-
C. E. Jenn	nings & Co	List, January 1, 1898.	Sledges and Heavy Hammers-	Holroyd & Co
	n's Woodnet	Brass, Flat Head	See Hammers.	Butterfield's
Saw Se Atkins:	ote—	Iron, Flat Head	•	Gardner
Criterio	n Saw Sets \$ doz. \$6.00	COACH, LAG AND HAND RAIL— G. P. Coach. List, Feb. 14, 1895,	Slicers— Vegetable, Enterprise255	Lightning Screw Plates
Bemis & (or Saw Tools doz. 6.00 Call Co.'s:	754:10≴	•	
Cross C Hammer	ut80&5% r, New Pat45%	Hand Rail	Smiths' Bellows—	Holroyd & Co
Plate		Cone Point	See Bellows.	Stones-
Disston's	Monarch, Nos. 1 & 10 and	Bench, Iron, % doz., 1 in., \$8.25; 11/6, \$8.50; 11/4, \$4.25	Snaps, Harness, &c.—	See Oilstones.
Hart's Par Kohler's:	t. Lever20%	Bench, Wood, Beech. 80@881/s/ Chair 60&10% Hand Wood 90@81/s/	Fitch's: Bolt	Stops-
" Giant	Royal" \$\psi \text{doz. \$9.00}		Bristol	See Bench Stops.
Leach's		Jack Screws, Millers Falls, Roller Bearing 50% Jack Screws, Millers Falls, without	Clipper	Store Door Handles-
Morrill's: No. 1, \$	15.00; No. 10, \$15.50; No. 11,	Roller Bearing50&10%	National	See Handles.
\$16.00	uts Nos. 8 and 4, \$28.00; No.	Jack Screws, P. S. & W40@40&10% Jack Screws, Sargent's	Victor60&5% German, new list40%	Store Ladders—
5, \$31.	.00	Piane Stool	Campont's:	Myers' Noiseless 50
S eymour	Smith & Son, Hammer	Barnes' No. 1, \$8; No. 6, \$10; No. 7.	Patent Guarded	Stove Bolts-
Stillmans		\$15	Covert Mig. Co.: Breast Strap Buckle Snaps	See Bolts.
	Positive\$18.00 \$ dos. 60%	Cricket	Breast Strap Protector Double for Bits or Trace Carrier	Stove Polish-
Scales- Chatillon		Lester, complete, \$10.0015&10% Rogers, complete, \$4.0015&10%	Trojan Snaps	See Polish, Stove.
Eureka.		Soythes— \$4.00	Jockey Snaps	Sweepers—
Grocere	ie	Natural Finish, Grass \$4.50\@\$4.75	Derby Snaps	See Carpet Sweepers.
Hatch:	Turnbull's80@80&10%	Polished Blade, Grass 4.75@ 5.00 Painted or Bronzed, Grass. 4.50@ 4.75	Snoths-	Tackle Blocks—
	r, No. 171. doz. \$17.60@\$18.00 o. 161 doz. 5.75@ 6.00	Clipper, Grain 7.50@ 8.00 Weed and Bush 4.50@ 4.75	Scythe50%	See Blocks.
Union Pla	atform Plain 2.00@ 2.10 2.15@ 2.25	Seeders-	Soldering Irons—	Tacks, Brads, &c.
=	Beams-	Raisin, Enterprise25@30%	Covert Mfg. Co20%	List Jan. 15, 1899.
Chatillon	i's No. 1	Shears—	Spoke Shaves-	American Cut Tacks
Chatilion	1's No.280%	Acme (Cast)	Bailey's (Stanley R. & L. Co.) 50 & 10%	Carpet Tacks: American, Blued90&10&10&10 American, Tinned90&10&10&10
	ers, &c.—	Ætna, Steel Nickeled70&20% Barnard Lamp Trimmersnet	Millers Falls	American, Tinned90&10&10&10 Swedes Iron Tacks.
Co.) \$6	le Box Scraper (S. R. & L. 3.0040&10% andle* doz. \$2.00	Carrier Cutlery Co.:	Deymour Smith & Sons, Mon	S. S
Box, 1 H	andle\# doz. \$2.00 andle\# doz. \$3.00@4.00 	N. P. Straight Trimmers	Wood, Best	S. S
Foot Ship Co		oupumout Denvisions		Finishing Nails70&10
Ship, R.	I. Tool Co10≰	St. Trimmers, etc60&10@60&10&10g	Boardman's	Gimp Tacks: 8. S
	DEWALK— , Steel No. 7₩ doz. \$8.00	Tailors' Shears40% Tinners' Snips40%	Britannia Spoons, Catalogue "C"	Hungarian Nails, Steel 80&1: Lace Tacks:
Scree		Pruning. See Pr'ning Hooks & Shears. Seymour's Standard List:	Nickel Silver, Catalogue "C" net, List	8.890&4
	OR-	Japanned	ATT VED DIATED PLAT WARR-	Trimmers' Tacks: S. S
Phillips:	Style E, Fancy Screen	Standard Cutlery Co.:	net List	Trunk and Clout Naus:
Door	rs \$10.00		* 1847 **	Steel, Tinned
Door	Style G, Common Screen		" 1847" 40&10 " Anchor" 50&10 " Eagle" 50&10 " Star" 50&10 Rogers, Smith & Co 50&10	Upholsterers's Tacks: 8.890&4
Door	Style K, Fancy Screen 8.00	Nickel Shears		
%- <u>i</u> n.,	Style K4, Fancy Screen rs	Tailors' Shears	Holmes & Edwards	100 Double Point, in dozens, 90&10&10&10&10&10
	ndow-	Tinners' Snips40&10	KNIVES AND FORKS NO. 12-	Matting8
Porter Se	creen Mfg. Co60@60&59	Shears, Hedge—	₩ doz. net , "1847"\$8.50	Shade, in bulk
Phillips:	ga Screens60@60&51	Wm. Wilkinson & Sons50; Sheaves—	"Anchor" 8.20	Tack Pullers -
Bonan				
Bonan Expres Flyer.	8860@60&5s 60@60&5s	r SLIDING DOOR—	"Star"	Columbia, No. 1. W doz., net\$1.0
Bonan Expres Flyer. Perfec North	88	SLIDING DOOR Corbin's list	Rogers & Hamilton	



Tapes, Measuring-	Shaw's: Copper Finished.
American Asses' Skin40&10@50% Leather Case	Lever
Steel	Traps—
Keuffel & Esser Co., New List, 1898:	FLY
Leather Case Skin Steel Steel	Balloon # doz.
Tap Borers	Harper♥ doz.
See Borers, Tap.	Star, Blake's Patter
American Screw Co.:	Enterprise Mole
Machine Screw70%	Newhouse Victor
Holroyd & Co.'s: Blacksmiths	MOUSE AND R.
Machine Screw	Hotchkies: Metallic Mouse
Pipe, 16 to 116	Improved Rat
Thumb Latches—	New Rat Mouse, Round Wire Mouse, Wood, Chok
See Handles.	
Tinware-	Marty French Rat a
Stamped, Japanned and Pieced, Net Prices.	No. 1, Rat, each \$ No. 3, Rat, # doz
Tire Bolts-	No. 1, Rat, each \$ No. 3, Rat, \$\pi\$ doz of 50 No. 3\forall Rat, \$\pi\$ do
See Bolts.	of 72. No. 4, Mouse, \$\emptyset\$ do
Tobacco Cutters-	of 72
National Specialty Co40% Enterprise Mfg. Co25@80%	of 72 No. 5, Monse, \$\psi\$ case of 150
Toilet Clippers	
See Clippers.	Mouse, No. 8
Trammel Points	\$15.00; No. 2, \$ g Mouse, No. 3 Smith & Egge Mfg. Superior Rat Trap Yankee Mouse Tr
Backus and Union	Yankee Mouse Trap.
Oook's	Trowels-
	Brade's Brick
Tower & Lyon 883/65 Prentiss' 20@255	Disston's: Brick and Pointing
Tracks, &c.—	Plastering "Standard Brand
E P Wword & Rro .	C. E. Jennings & Co Brick
Comb. Car, Double Steel T \$8.50 Comb. Car, Wood Track \ 8.95 Common 6 in. Wood Sheave Pulley.	Plastering
Common 6 in. Wood Sheave Pulley. Fig. 483.	W. & McP. Plasteri
D. H. Fork Steel Regular each, .85	Peace's Plastering "Rose" Brick, Plast
Double Rail Steel Track, complete	ers
Faultless Steel Frame K. P. Pulley,	Vegetable Slice
Fig. 485	Enterprise Mfg. Co.
Pulley, Fig 485 % doz. 1.90	Vises— Solid Box
Floor Pulley, Wood Sheave, Fig.	Columbian Hdw. Co Fisher-Norris
Hanging Hooks for Double Steel	Armstrong's:
	Combination Plain and Hinge
Handing Hooks for Wood Track	Plain and Hinge Athol, Oval Slide Bonney's Chempion
	Bonney's Champion Fisher & Norris Dor
14 in	Holland's Howard's Little Giant Bench.
Fig. 676	Lowell Hand
Nellis Forkeach, 1.60	Massey: Perfect
New Myers Iron Rod Car 8.25 Reed Wood Frame Pulley with	Clincher
Hook, Fig. 434	Planer
Rev. Car., Wood Track 8.25	Planer Comb. Pipe Millers Falls:
Single Rail Car, Single Steel T 3.50	Mechanics' Oval Slide
clamps # ft00	Ball Clamp Gravity
Sprout's Shear Fork, each\$1.60 Steel Frame Pulley with Iron	Hand Moore's
Hanging Hooks for Wood Track, 14 in	Phenix
Track	Prentiss
Track	Stephens
Transom Lifters—	Stephens Trenton Wright's Pipe
Ajax	SAW FILERS— Bonney's No. 2, \$15.0
Bronze Metal, with Safety Spring 50@50&10%	Bonney's No. 2, \$15.0 Cincinnati
Crescent 70@70&10s	Cincinnati Stearns Com. No.
Dickson's 60% Nickel Plated 50&10% Payson's Solid Grip, Nos. 808 and 308 and	Stearns Rubber Jaw
804, \$\frac{100}{100}\$12.00	Wentworth's

_	
	Shaw's: Copper Finished 80&10% Lever 70@70&10%
	Traps—
	FLY— Balloon \$\pi\$ doz. \$1.25, \$\pi\$ gro. \$11.00 Globe \$\pi\$ doz. 1.25, \$\pi\$ gro. 11.00 Harper \$\pi\$ doz. 1.40, \$\pi\$ gro. 12.50
	GAME— Star, Blake's Pattern
	H. & N
	Hotchkiss:
	Improved Rat
	Marty French Rat and Mouse Traps
	No. 1, Rat, each \$1.15, \$\psi\ doz\$12.00 No. 3, Rat, \$\psi\ doz\$6.00; case of 50
	No. 3½, Rat, ⅌ doz., \$4.75; case of 72. 4.25 No. 4, Mouse, ⅌ doz., \$8.50; case
	of 72 2.75
	Schuyler Rat Killer, No. 1, \$ gro., \$15.00; No. 2, \$ gro. net\$15.00
	Case of 150
	Yankee Rat Trap 11.00
	Trowels— Brade's Brick
	Brick and Pointing
	C. E. Jennings & Co.:
	Pointing 80% W. & McP. Plastering 25%
	Plastering. 25% Pointing. 80% W. & McP. Plastering 25% Peace's Plastering. 25% Rose "Brick, Plastering and Moulders. 25% School 25%
	Vegetable Slicers— Enterprise Mfg. Co25%
	Vises— Solid Box
	Solid Box 40&10@50% Columbian Hdw. Co. 40% Fisher-Norris 15&10% Armstrong's: 15&0%
	Combination
	Armstrong'e: 10&10%
	Little Giant Bench 25&104
	Mossey:
	Perfect
	Planer 15@20% Comb. Pipe. 40% Millers Falls:
	Mechanics net@10% Oval Slide 50 & 10% Ball Clamp 45%
	Gravity net
	Prenties
	Sargent's 40% Simpson's Adjustable 40% Stephens 20@25%
	Wright's Pipe40%
	SAW FILERS— Bonney's No. 2, \$15.0040&10@50% Cincinnati
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	Wentworth's40%

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Out of Town on Spot
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\$20.00@\$21.00 Barytes, American Floated, \$10.00@\$20.00
Barytes, Crude \$\(\) ton 9.00@ 10.00 White Lead, American, Dry, in bbls. \$\(\) 10.6@6\(\) 6
White Lead, American, in Oil, in lots of less than 800 lbs
White Lead, English, in Oil. 彩 b. 9@9½c Litharge, Kegs
Putty— \$1.90 In bulk \$1.90 In bladders 2.40 In cans, 50 b 2.00 In cans, 25 b 2.25 In cans, 12½ b 2.50

Spirits Turpentine— In regular bbls	@88 } √ @89	ée e
Dry Colors-	#9 1b	
Blue, Chinese85	Ø40	c
Blue, Prussian88	@88	C
Blue, Ultramarine 6	@30	
Sienna, Italian, burnt &		
powdered 43	≰ @10	c
Sienna, Italian, raw &		
powdered 8	@ 7	c
Umber, Turkey, burnt 23		
Umber, Turkey, raw 25	40 83	≰ ¢
Green, Chrome, Ordinary 5	@ 7	c
Green, Paris, in bulk15	@16	c
Indian Red, American 23		c
Indian Red, English 43	60 84	á c
Colors in Oil-		
Black Lampblack, best18	@15	c
Black Lampblack, common 8	@10	c
Blue, Chinese85	@40	e
Blue, Prussian89	@85	c
Blue, Ultramarine 14	@18	c
Sienna, burnt11	@18	c
Sienna, raw	@13	c
Umber, burnt11	@18	c
Umber, raw11	@18	c
Brown, Vandyke 11	@18	c



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Counters, Hardware.
J. D. Warren Mfg. Co., Chicago, Ill. Counters, Nail Bin.
J. D. Warren Mfg. Co., Chicago, Ill.

Countersinks. C. B. Jennings & Co., New York. Cover Lifters, Stove. Fanner Mfg. Co., Cleveland, O.

Orayons.

Joseph Dixon Crucible Co., Jersey City, N. J.

Cream Separators.
Galesburg Cornice Works, Galesburg.
Ill.

Curled Hair. Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Ourry Combs. W. & E. T. Fitch Co., New Haven. Conn.
John H. Graham & Co., New York.
F. E. Kohler & Co., Canton, O.

Cutlery, Pocket.
John Chatillon & Sons, New York.
Jackson Knife' & Shear Co.,
Fremont, O.
Jos. Rodgers & Sons, Sheffield, Eng.
Voigt, Starr & Co., New York.

Cutlery, Table.
Alfred Field & Co., New York.
Goodell Co., Antrim, N. H.
Jos. Rodgers & Sous, Sheffield, England.

Cut Nails. Fuller Bros. & Co., New York. Charles J. Stebbirs & Co., New York. Cut-Offs, Rain Water. Cooney & Geiger, Indianapolis, Ind.

Cutters, Fodder. Silver Mfg. Co., Salem, Ohio.

Suver mig. Co., Naiem, Onio. Gutters, Rod. Chandler & Farquhar, Boston. Cutters, Wire. Bridgeport Mfg. Co., Bridgeport, Conn.

Cutting Pliers.
Bridgeport Mfg. Co., Bridgeport,
Conn.
Cronk & Carrier Mfg. Co., Elmira,
N. Y. Charles Morrill, New York.

Dairy Scales.
Osgood Scale Co., Binghamton, N. Y. Dehorners.
H. H. Brown Mfg. Co., Decatur, 111.

Dies, Steel.
Schwerdtle Stamp Co., Bridgeport,
Conn.

Discount Books.
Hardware Publishing Co., New York.

Dog Collars and Muzzles.
Alfred Field & Co., New York. Door Checks and Springs. Jos. Bardsley, New York. Sargent & Co., New York.

Door Holders. Caldwell Mfg. Co., Rochester, N. Y. Dormant Scales.
Osgood Scale Co., Biughamton, N. Y.

Drawers, Hardware.
J. D. Warren Mfg. Co., Chicago, Iil.



Drawing Instruments.
C. E. Jennings & Co., New York.
Keuffel & Raser Co., New York.
Sargent & Co., New York.

Drawing Knives. C. J. Kimball Co., Bennington, N. H.

Drills, Bench.
Chandler & Farquhar, Boston, Mass.
Silver Mfg. Co., Salem, Ohio.
(See Twist Drills.)

Drilling Attachments.
Silver Mfg. Co., Salem, Ohio.
Drills, Blacksmiths', Etc.
Sargent & Co., New York.
Silver Mfg. Co., Salem, Ohio.

Drill Presses,
Silver Mfg. Co., Salem, Ohio.
Dumb Waiters.
Kimbali Bros. Co., Council Biuffs,

lows. Dustless Floor Brushes.
Milwaukee Dustless Brush Co., Milwaukee, Wis.

Electric Bells and Supplies.
John H. Graham & Co., New York.

Elevator Enclosures and Cars.
J. E. Boiles Iron and Wire Works,
Detroit, Mich.

Elevators. Kimball Bros. Co., Council Bluffs, Iowa.

Emery.
Tanite Co , Stroudsburg, Pa. Emery and Garnet Paper. Bacder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Enameled Bath Tubs. Colwell Lead Co., New York.

Ensilage Cutters. Silver Mfg. Co., Salem, Ohio.

Envelope and Stamp Lubrica-Pelouze Scale & Mfg. Co., Chicago.

Escutcheons and Push Plates.
Brass Goods Mfg. Co., Brooklyn, N.Y.
Sargent & Co., New York.
Expansion Bolts.
D. C. Seaman & Co., Philadelphia.

Export Agents.
John H. Graham & Co., New York.

Farming Tools. Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madi-son, Iowa.

Faucets, Metal.
John H. Graham & Co., New York.

Faucets, Wood.
John Sommer's Son, Newark, N. J.

John Sommer's Son, Newark, N. J.
Fences, Wire and Iron.
W. J. Adam, Jollet, Ill.
J. E. Bolles Iron and Wire Works,
Detroit. Mich.
Clinton Wire Cloth Co., Clinton, Mass.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Stewart Iron Works, Cincinnati, O.
Up-To-Date Mfg. Co., Terre Hante,
Ind.
Van Dorn Iron Works Co., Cleveland,
Ohlo.
Field Mass.

Field Hoes. Geneva Tool Co., Geneva, O.

Files.

G. & H. Barnett Co., Philadelphia.
Alfred Field & Co., New York.
Mayer & Co., Philadelphia, Pa.
Nicholso F le Co., Providence, R. I.

Filters.
Champion Safety Lock Co., Cleveland, O.
Fulper Pottery Co., Flemington, N.J.

Fire Arms.
Alfred Field & Co., New York.
Harrington & Richardson Arms Co.,
Worcester, Mass.
J. Stevens Arms & Tool Co., Chicopee
Falls, Mass. dw. K. Tryon, Jr., & Co., Phila-delphia, Pa.

Fish Forks.

Iowa Farming Tool Co., Fort Madison, Ia.

Fishing Tackle.
Edw. K. Tryon, Jr., & Co., Philadelphia, Pa.

Floor Plates.
American Tube and Stamping Co.,
Bridgeport, Conn.

Flower Pot Stands.
Gilbert & Bennett Mfg. Co., New
York and Chicago.

Flower Vases. Stewart Iron Works, Cincinnati, O.

Fly Killers.
R. R. Montgomery & Co., Decatur, lll.

Fodder Cutters. Silver Mfg. Co., Salem, Ohio.

Food Choppers.
Enterprise Mfg. Co. of Pa., Phila., Pa.
Sargent & Co., New York, and New
Haven, Conn.

Forgings, Carriage. Columbus Bolt Works, Columbus, O.

Foundry Biddles.
Gilbert & Bennett Mfg. Co., New
York and Chicago.

Frame Pulleys.
Sargent & Co., New York.

Fruit Presses.
The B-B Mfg. Co., Davenport, Iowa.
Enterprise Mfg. Co. of Pa., Philadelphia.

Furnace Shovels.
Geneva Tool Co., Geneva, Ohio.

Garden and Field Rollers. New York Agricultural Co., New York City.

Garden Hoes. Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madi-son, Is.

Garden Rakes—Steel. Iowa Farming Tool Co., Fort Madison, Iowa

Garden Tools.
Alfred Field & Co., New York.
Geneva Tool Co., Geneva, O.

Gasfitters' Supplies. Colwell Lead Co., New York.

Gasoline Lamps.
Search-Light Mg. Co., Chicago, Ill.
Sterling White Light Gas Lamp Co.,
Sterling, Ill.

Gasoline Stoves. Sun Stove Co., Detroit, Mich.

Gas Pilers. Cronk & Carrier Mfg. Co., Elmira, N. Y.

Gauges, Butt.
Stanley Rule and Level Co., New
York.

Glass Cutters. W. L. Barrett, Bristol, Conn

Glue.
Allerton-Clarke Co., New York.
Beeder, Adamson & Co., New York,
Philadelphia, Boston and Chicago.
N. Y. Cabinet Glue Works, New York.

Grain Cradles.

Iowa Farming Tool Co., Fort Madison., Is.

Grain and Barley Forks. Iowa Farming Tool Co., Fort Madison, Ia.

Graphite.
Joseph Dixon Crucible Co., Jersey
Oity, N. J.

Grass Hooks. Indiana Edge Tool Co., Gas City, Ind. Iowa Farming Tool Co., Ft. Madison, Ia.

Grates.
Blacklock Foundry, South Pittsburgh,
Tenn.

Grindstones. Cleveland Stone Co., Cleveland.

Gummers, Saw. E. C. Atkins & Co., Indianapolis, Ind.

Hair Felting. Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Halter Chains. Covert Mfg. Co., West Troy, N. Y.

Halters, Web and Rope. Covert Mfg. Co., West Troy, N. Y.

Hammers.
John H. Graham & Co., New York.
Arthur R. Robertson, Boston, Mass.
Sargent & Co., New York.
Stanley Rule and Level Co., New
York.
The Scranton & Co., New Haven,
Conn.

Hand Carts.
Syracuse Chilled Plow Co., Syracuse,
N. Y.

N. Y.

Handles, Tool.
Berger Bros. Co., Philadelphia.
Geneva Tool Co., Geneva, O.

N. Y. Mallet & Handle Works, New
York, N. Y.

Hangers, Coat and Hat.
Cronk & Carrier Mfg. Co., Elmira,
N. Y.

Hangers, Pipe. Berger Bros. Co., Philadelphia.

Berger Bros. Co., Finiadeiphia.

Hangers, Barn Door.

Cronk & Carrier Mfg. Co., Elmira.

N. Y.

John H. Graham & Co., New York.

Lane Bros. Co., Poughkeepsie, N. Y.

McKinney Mfg. Co., Allegheny, Pa.

J. E. Porter Co., Ottawa, Ill.

Hansers, Joiet and Well.

Hangers, Joist and Wall.
National Iron & Wire Co., Cleveland,
Ohio.
Van Dorn Iron Works Co., Cleveland,
Ohio.

Hangers, Parlor Door.
John H. Graham & Co., New York.
Lane Bros. Co., Poughkeepsle, N. Y.
Sargent & Co., New York.

Hardware Cabinets.
J. D. Warren Mfg. Co., Chicago, Ill. Hardware Cases.
J. D. Warren Mfg. Co., Chicago, Ili.

Hardware Mfrs' Agents, Etc. John H. Graham & Co., New York. Robert Murray. New York. Sickels & Nutting Co., New York.

Hardware Shelving.
J. D. Warren Mfg. Co., Chicago, Ill.

Hardware Specialties.
Alfred Field & Co., New York.
Charles Morrill, New York.
Clark & Cowles, Plainville, Conn.
Enterprise Mfg. Co. of Pa., Phila
delphia.
Robert Murray, New York.
Sargent & Co., New York.

Hardwood Floor Mops.

Bay State Brush and Mop Co., Woburn, Mass.

Harness Dressing. Frank Miller Co., New York, N. Y.

Harness Snaps.
Covert Mfg. Co., West Troy, N. Y.
W. & E. T. Fitch Co., New Haven,
Con..
Sargent & Co., New York.

Hasps and Staples.

McKinney Mfg. Co., Allegheny, Pa.

Hay Carrying Tools.

Janesville Hay Tool Co., Chicago, Ill.

F. R. Myers & Bro., Ashland, Ohio.

J. E. Porter Co., Ottawa, Ill.

Hay Forks. Geneva Tool Co., Geneva, O. Iowa Farming Tool Co., Fort Madison, ia.

Jancsville Hay Tool Co., Chicago, Ill.
Willoughby Fork & Mfg. Co., Willoughby, O.

Hay Knives. Iwan Bros., Streator, Ill.

Hay Presses.
J. E. Porter Co., Ottawa, Ill.

Hay Slings.
Janesville Hay Tool Co., Chicago, Ill.

Header Forks. lowa Farming Tool Co., Fort Madi-son, Ia.

Heaters, Oil.
Plume & Atwood Mfg. Co., New
York, Boston and Chicago.

Hinges.
McKinney Mfg. Co., Allegheny, Pa.
Niles Mfg. Co., Chicago.
Sargent & Co., New York.

Hinges, Shutter.
Baitinger & Berkley Pat. Hinge Mfg.
Co., St. Louis, Mo.

Hinges, Spring.

Bommer Bros., Brooklyn, N. Y.
Niles Mfg. Co., Chicago.
Sargent & Co., New York.

Hinges, Trunk, Box and Door. Brass Goods Mfg. Co., Brooklyn, N.Y.

Hoisting Machinery. Kimball Bros. Co., Council Bluffs, Ia.

Hollow Ware. Blacklock Foundry, South Pittsburgh,

Hones, Rasor.
Alfred Field & Co., New York. Hone Strops. J. H. Pero, Chicago, Ill.

Hooks.
Berger Bros. Co., Philadelphia
John H. Graham & Co., New Y
Sargent & Co., New York.

Horse and Cattle Ties. Covert Mfg. Co., West Troy, N. Y.

Horse Nails.

Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford,
Conn.

Horse Rasps.
G. & H. Barnett Co., Phila., Pa.
Nicholson File Co., Providence, R. I.

Hose Menders.
John H. Graham & Co., New York.

Hose Pipe. F. E. Myers & Bro., Ashland, Ohio.

Hose, Rubber.
F. E. Myers & Bro., Ashland, Ohio. Ice Balances.
John Chatillon & Sons, New York.
Pelouze Scale & Mfg. Co., Chicago.

Ice Chisels.
John Chatilion & Sons, New York.
Iowa Farming Tool Co., Ft. Madison,
Iowa.

Ice Cream Freezers.

Dana & Co., Cincinnati, O.

John H. Graham & Co., New York.

North Bros. Mfg. Co., Philadelphia.

Ice Creepers. Edwin B. Stimpson & Son, New York. Ice Harvesting Implements. Wm. T.Wood & Co., Arlington, Mass.

Ice Picks.
John Chatilion & Sons, New York.
Erié Specialty Co., Erie, Pa.
C. E. Jennings & Co., New York
Wm. T. Wood & Co., Arlington, Mass.

Ice Tools.
John Chatilion & Sons, New York.
Eric Specialty Co., Eric, Pa.
Wm. T. Wood & Co., Arlington, Mass.

Iron, Sheet. Bruce & Cook, New York.

Iron Fences.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland, Ohio.

Iron Pipe. Colwell Lead Co., New York.

Iron Work.

J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Van Dorn Iron Works Co., Cleveland,
Ohio.

Jack Chains. smith & Egge Mfg. Co., Bridgeport, Conn.

Job Lots, Chicago House Wrecking Co., Chi-Chicago House Wrecking C cago, Ill. A. N. Jacob, New York City.

Kitchen Cutlery. C. J. Kimball Co., Bennington, N. H. Berger Bros. Co., Philadelphia.
Lane Bros. Co., Ponghkeepsie, N. J.
F. E. Myers & Bro., Ashland, Ohio.

Lamps, Bicycle.
John H. Graham & Co., New York.
Plume & Atwood Mfg. Co., New
York, Boston and Chicago.

York, Dosed.
Lard Presses.
The B-B Mfg. Co., Davenport, Iows.
Enterprise Mfg. Co. of Pa., Phils-

Lathe Disc Sharpeners.
The B-B Mfg. Co., Davenport, Iowa.

Lawn Fences.
W. J. Adam, Joliet, Ill.
Enterprise Foundry & Fence Co.,
Indianapolis, Ind.
Stewart Iron Works, Cincinnati, O.
Up-To-Date Mfg. Co., Terre Haute,
Ind. Van Dorn Iron Works Co., Cleveland, Ohio.

Chawn Mowers.
Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
Clipper Lawn Mower Co., Norristown, Pa.
Coldwell Lawn Mower Co., Newburgh, N. Y.

Lawn Rakes.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Ft. Madison,
Ia.

Lawn Sweepers. Greene Mfg. Co., Springfield, O.

Lawn Tools.
Geneva Tool Co., Geneva, O. Lead.

Bruce & Cook, New York. Colwell Lead Co., New York. Lead Penoils.
Joseph Dixon Crucible Co., Jersey
City, N. J.

Lead Pipe. Colwell Lead Co., New York.

Lemon Squeesers.

Berger Bros. Co., Philadelphia.

Erie Specialty Co., Erie, Pa.

John H. Graham & Co., New York.

John Sommer's Son, Newark, N. J.

Lovels.
Stanley Rule & Level Co., New York.

York.

Looks and Knobs.

Brass Goods Mfg. Co., Brooklyn, N.Y.

John H. Graham & Co., New York.

Sargent & Co., New York and New
Haven, Coan.

Lubricants.
Joseph Dixon Crucible Co., New York
and Jersey City, N. J.

Magnolia Metal.
Magnolia Metal Co., New York.

Majlota Metal Co., New York.

Bruce & Cook, New York.

N. Y. Mallet & Handle Works, New York, N. Y.

John Sommer's Son, Newark, N. J.

Stanley Rule and Level Co., New York.

Manicure Appliances. H. C. Cook Co., Ansonia, Conn.

Manure Forks.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Ia.

Manure Hooks.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Iowa.

Masons' Lines. Samson Cordage Works, Boston.

Measuring Pumps.
Enterprise Mfg. Co. of Pa., Philadelphia.

Measuring Tapes.

Alfred Field & Co., New York.

John H. Graham & Co., New York.

Keuffel & Esser, New York.

Meat Choppers.
John Chatilion & Sons, New York.
Enterprise Mfg. Co. of Pa., Philadelphia delphia. John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co. of Pa., Philadelphia.
John H. Graham & Co., New York.
Sargent & Co., New York.



Mills, Coffee and Spice.

John Chatillon & Sons, New York.

Enterprise Mfg. Co. of Pa., Philadelphia.

Mills, Drug.
Enterprise Mfg. Co. of Pa., Philadelphia.

Mincing Knives.
Enterprise Mfg. Co. of Pa., Philadelphia. John H. Graham & Co., New York.

Mitre Boxes. C. E. Jennings & Co., New York.

Mop Wringers.
Beech Novelty Co., Mansfield, O.

Mortar Hoes. Iowa Farming Tool Co., Fort Madison, Ia.

Mowing Machine Oilers.
American Tube and Stamping Co.,
Bridgeport, Conn.

Nails.
Bruce & Cook, New York.
Fuller Bros. & Co., New York.
Chas. J. Stebbins & Co., New York.

Nail Pullers.
Bridgeport Mfg. Co., Bridgeport, Conn.
The Scranton & Co., New Haven,
Conn.

Nail Sets John H. Graham & Co., New York. C. E. Jennings & Co., New York.

Needles.
Alfred Field & Co., New York.

Nippers.
Alfred Field & Co., New York.
Charles Morrill, New York.

Nuta.
Atlas Bolt and Screw Co., Cleveland, Columbus Bolt Works Columbus, O. Milton Mfg. Co., Milton, Pa.

muton Mfg. Co., Milton, Pa.

Office Ratilings.
J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Gilbert & Bennett Mfg. Co., New
York and Chicago.
Stewart Iron Works, Cincinnati, O.
Up-To-Date Mfg. Co., Terre Haute,
Ind.

Oilers. American Tube and Stamping Co., Bridgeport, Conn. Cushman & Denison, New York.

Oil Heaters.
Plume & Atwood Mfg. Co., New
York, Boston and Chicago.

Ornamental Iron Work.
Enterprise Foundry & Fence Co.,
Indianapolie, Ind.
Stewart Iron Works, Cincinnati, O.
Van Dorn Iron Works Co., Cleveland, Ohio.

Ox Bows.
Iowa Farming Tool Co., Fort Madison, Iowa.

Ox Yokes. Iowa Farming Tool Co., Fort Madi-

Padlocks.
Ames Sword Co., Chicopee, Mass.
Alfred Field & Co., New York.
John H. Graham & Co., New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Paints.
Bruce & Cook, New York.
Jos. Dixon Crucible Co., Jersey City,
N. J.

Paper Clips.
Cushman & Denison, New York.

Patents.
Davis & Davis, New York.

Pencils.

Joseph Dixon Crucible Co., Jersey
City, N. J.

Pig Lead. Colwell Lead Co., New York.

Pig Tin.
Colwell Lead Co., New York.

Pipe Cutters.
Armstrong Mfg. Co., Bridgeport. Conn.
Alfred Field & Co., New York.
Trimont Mfg. Co., Roxbury, Mass

Pipe Straps.
Berger Bros. Co., Philadelpnia.
Bruce & Cook, New York.
Smith & Egge Mfg. Co., Bridgeport,

Pipe Threading Machines.
Armstrong Mfg. Co., Bridgeport, Conn.

Pipe Vises.
Armstrong Mfg. Co., Bridgeport. Conn. Howard Iron Works, Buffalo, N. Y.

Pistols. J. Stevens Arms & Tool Co., Chicopee Falls, Mass.

Planes.
C. E. Jennings & Co., New York.
Sargent & Co., New York.
Stanley Rule and Level Co., New
York.

Planters' Hoes.

Iowa Farming Tool Co., Fort Madison, Ia.

Plated Ware. M. S. Benedict Mfg. Co., E. Syracuse, N. Y. Luther Boardman & Son, East Had-

dam, Conn. Aifred Field & Co., New York.

Plates, Machinery.
Schwerdtle Stamp Co., Bridgeport.
Conn.

Plate Washers.
Milton Mfg. Co., Milton, Pa.

Pliers, Fencing.
Cronk & Carrier Mfg. Co., Elmira Alfred Field & Co., New York.

Plumbers' Supplies.
Berger Bros. Co., Philadelphia, Pa.
Bruce & Cook, New York.
Colwell Lead Co., New York.
Smith & Egge Mfg. Co., Bridgeport,

Pocket Cutlery.
John Chatillon & Sons, New York.
Alfred Field & Co., New York.
Jackson Knife & Shear Co., Fremont. O

Polish, Stove.
Joseph Dixon Crucible Co., Jersey
City, N. J.

Post Hole Augers. Iwan Bros., Streator, Ill.

Iwan Bros., Streator, III.

Post Hole Diggers.
John H. Graham & Co., New York.
Iwan Bros., Streator, III.
F. E. Kohler & Co., Canton, O.

Potato Digging Forks.
Iowa Farming Tool Co., Fort Madison, la.

Potato Hooks.
Geneva. Tool Co., Geneva. O.
Iowa Farming Tool Co., Fort Madison, Iowa.

Poultry Netting.
Chicago House Wrecking Co., Chicago, Ill.
Clinton Wire Cloth Co., Clinton,
Mass.
Gilbert & Bennett Mfg. Co., New
York, Chicago.
Jones National Fence Co., Columbus,
Ohio.

Ohio.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.

Power Hammers.
The Scranton & Co., New Haven,
Conn.

Price Books.
Hardware Publishing Co., New York.

Pruning Shears. Cronk & Carrier Mfg. Co., Elmira, N. Y.

Pulleys, Hoisting. F. E. Myers & Bro., Ashland, Ohio. Pulleys, Hook.
Janesville Hay Tool Co., Chicago, Ill.

John H. Graham & Co., New York. F. E. Myers & Bro., Ashland, Ohio. The Deming Co., Salem, Ohio.

Punches, Spring.
Alfred Field & Co., New York.
Charles Morrill, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn. . Woodman Mfg. & Supply Co., Boston, Mass.

Boston, mass.

Railings, Wire and Iron.

J. E. Bolles Iron and Wire Works,
Detroit, Mich.
Clinton Wire Cloth Co., Clinton,
Mass. Stewart Iron Works, Cincinnati, O.

Rail, Barn Door. Cronk & Carrier Mfg. Co., Elmira, N. Y. Lane Bros. Co., Poughkeepsie, N. Y. McKinney Mfg. Co., Allegheny, Pa.

Railroad Brasses.

Magnolia Metal Co., New York. Bailway and Mill Supplies.
American Railway Supply Co., New
York. York. . Woodman Mfg. & Supply Co., Boston.

Baisin Seeders. Enterprise Mfg. Co. of Pa., Philadelphia.

Rakes.
Geneva Tool Co., Geneva, O.
John H. Graham & Co., New York.
Iowa Farming Tool Co., Fort Madison, Is.

Ranges.
Schill Bros. Co., Crestline, Ohio.

Razors.
Alfred Field & Co., New York.
International Cutlery Co., Fremont, O.
Jackson Knife & Shear Co.,
Fremont, O.
Joseph Rodgers & Sons, New York
and Sheffield, England.

Reamers. C. E. Jennings & Co., New York.

Reels. Wood.
John Sommer's Son, Newark, N. J.

Refined Bar Iron. Milton Mfg. Co., Milton, Pa.

Refrigerators.
Baldwin Refrigerator Co., Burlington,

Vt.
Cooper & McKee, Brooklyn, N. Y.
Monarch Refrigerator Works, Burlington, Vt.
Northern Refrigerator Co., Grand
Rapids, Mich.

Refrigerator Door Fasteners. Bernard Gloekler, Pittsburgh, Pa.

Begisters, Warm Air. Berger Bros. Co., Philadelphia

Revolution Counter. R. Woodman Mfg. & Supply Co., Bos-ton, Mass.

Revolving Horse Hay Rakes. Geneva Tool Co., Geneva, O.

Rifics.

J. Stevens Arms & Tool Co., Chicopes
Falls, Mass.

Rivets.
Atlas Bolt and Screw Co., Cleveland, Atlas Bolt and Screw Co., Cleveland.
Ohio.
Berger Bros. Co., Philadelphia.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.
C. C. & E. P. Townsend, New Brighton, Pa.

Roof Bolts.
Columbus Bolt Works, Columbus, O.

Roof Rods. Columbus Bolt Works, Columbus, O.

Roofing, Granite.
Eastern Granite Roofing Co., New York.

Roofing Plates.
Merchant & Co.,Inc.,Philadelphia,Ps.

Roofing and Roofers' Supplies.
American Steel Roofing Co., Middletown, Ohio.
Berger Bros. Co., Philadelphia.
Bruce & Cook. New York.
Merchant & Co., Inc., Philadelphia, Pa.

Rules.
Alfred Field & Co., New York.
Stanley Rule and Level Co., New
York.

Sad Irons.
Blacklock Foundry, South Pittsburgh,
Tenn.
Enterprise Mfg. Co. of Pa., Philadelphia.

Sand and Emery Paper. Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
Gilbert & Bennett Mfg. Co., New
York and Chicago.

Sash Chains. Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord. Samson Cordage Works, Boston.

Sash Fixtures. Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Locks. Champion Safety Lock Co., Cleveland, Ohic.
W. & E. T. Fitch Co., New Haven, Conn. H. B. Ives & Co., New Haven, Conn.

Sash Pulleys. Sargent & Co., New York. Sash Weights (Lead). Colwell Lead Co., New York.

Sausage Stuffers. Enterprise Mfg. Co. of Pa., Phila-delphia. Sargent & Co., New York.

Saws. E. C. Atkins & Co., Indianapolis, Ind. Henry Disston & Sons, Philadelphia,

Pa.
C. E. Jennings & Co., New York.
Sargent & Co., New York. Saws, Butchers'.

John Chatillon & Sons, New York.

Saw Sets.
E. C. Atkins & Co., Indianapolis,
Ind.
Alfred Field & Co., New York.
F. E. Kohler & Co., Canton, O.
Charles Morrill, New York.

Saw Sharpeners.
Sterling Wrench Co., Rockford, Ill.

Saw Tools. E. C. Atkins & Co., Indianapolis, Ind. C. E. Jennings & Co., New York.

Scales.

John Chatillon & Sons, New York.
Osgood Scale Co., Binghamton, N. Y.
Pelouze Scale & Mfg. Co., Chicago.
Scrapers, Drag and Wheel.
Syracuse Chilled Plow Co., Syracuse,
N. Y.

Screen Doors.
A. J. Phillips Co., Fenton, Mich. Screens, Wire.
Porter Screen Mig. Co., Burlington,
Vt.

crews.
Atlas Bolt & Screw Co., Cleveland,
Ohio.

Sorew Cases. J. D. Warren Mfg. Co., Chicago, Ill.

Screw Drivers.
Bridgeport Mfg. Co., Bridgeport,
Conn.
John H. Graham & Co., New York.
C. E. Jennings & Co., New York.
C. J. Kimball Co., Bennington, N. H.
North Bros. Mfg. Co., Philadelphia.
Sargent & Co., New York.
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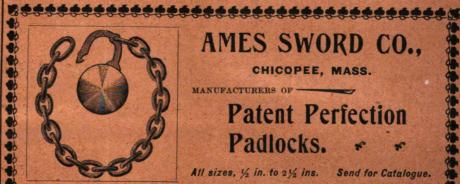
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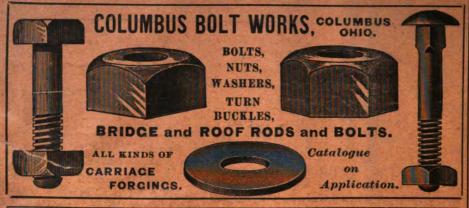
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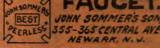




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